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# PARK'S FLORAL MAGAZINE

VOL. XXXVI.

LIBONIA, FRANK. CO., PA., JUNE, 1900.

No. 6.

**Circulation Bulletin . . .** FOR APRIL: Number of copies mailed of Park's Floral Magazine, as indicated by Postoffice receipts **354,528**  
FOR MAY: Number of copies printed of Park's Floral Magazine, as indicated by press counters **363,000**

Address all advertising communications to **THE ELLIS COMPANY, Advn'g Managers,**  
**713-718 Temple Court, New York, N. Y.**

☞ The following Rare Offer of Primroses will not appear again. Don't Delay. Write at once. ☞

## CHOICE PRIMROSES.

**A Magnificent Collection, Embracing Ten Finest Sorts, Entirely FREE to Those Subscribing For PARK'S FLORAL MAGAZINE Now.**

To encourage the culture of that most charming, easily-grown class of flowering plants—Primroses, as well as to draw new and renewed subscriptions to the MAGAZINE I make this unparalleled offer:

### FOR ONLY 25 CENTS

sent me before July 1st, 1900, I will send PARK'S FLORAL MAGAZINE for a year, and ten packets of seeds of the choicest Primroses in cultivation, as follows:

**Chinese**, superb fringed, large-flowered sorts, mallow-leaved and fern-leaved, all colors and tints in complete mixture. 20 seeds.

**Obconica**, large-flowered, plain and fringed, rose, lavender, white, etc., in splendid mixture. 50 to 75 seeds.

**Elatior**, the superb hardy Garden Primrose; double and single, and many rich colors and variegations in fine mixture. 50 to 75 seeds.

**Vulgaris**, the superb English Primrose; the true sort; hardy, very beautiful; 30 to 50 seeds.

**Veris**, Gold-laced, a magnificent hardy Primrose; blooms early, in clusters; flowers large, exquisitely marked with gold. 30 to 50 seeds.

**Auricula**, the charming, hardy, spring-blooming Primrose; one of our most showy early flowers; many colors; 25 to 35 seeds.

**Acaulis**, elegant large-flowered sort, each flower borne on a long, radical stem; many colors; 25 to 35 seeds.

**Sieboldii**, an exquisite, hardy sort; charming rosy-purple flowers in clusters; delicate, very pretty; 25 to 35 seeds.

**Japonica**, the splendid, large Japanese Primrose; handsome flowers of various colors, in magnificent whorls; hardy garden sort of great beauty; 100 seeds.

**Forbesi**, the Baby Primrose, superb window plant, bearing a profusion of flowers for many months; cannot be too highly praised. 25 to 35 seeds.

No premium I have ever offered will afford more pleasure and satisfaction to the skillful amateur than this collection of choice Primrose seeds. The seeds all start readily—in from two to three weeks, except those of *P. Japonica*, which sometimes require as many months. The plants as they come into bloom, will be a grand revelation to many cultivators. All will bloom in the fall, winter or spring. Full cultural directions will accompany the seeds. I take great pleasure in offering these Choice Primroses, as I know my patrons will all be delighted with them. I hope many thousands will get the collection, and that a large number of new names will be added to my already large subscription list. See your friends. Club together and order at once.

**GEO. W. PARK, Libonia, Franklin Co., Pa.**

**CLUB PREMIUMS.**—A packet of *Primula Cashmeriana*, *Farinosa*, *Officinalis*, *Cortusoides*, *Vinosa*, *Duplex*, *Oxlip*, *Verticillata*, *Acaulis alba* or *Floribunda* for club of two, or all for club of ten. Any of these special sorts supplied at 10 cents per packet, if not convenient to get up a club.





# Grand Perennials.

## SOW THEM NOW.

To encourage new and renewed subscriptions to the MAGAZINE as well as the general culture of the beautiful perennial flowers which last for years and bloom gorgeously in spring and early summer, before the annuals have budded, I make this special Premium offer: For only 10 cents I will mail this MAGAZINE three months and fourteen packets seeds of the finest cultivated perennials, as follows:



MATRICARIA-FEVERFEW.



CAMPANULA.



SWEET ROCKET.

*Adonis vernalis*, lovely yellow-flowered perennial.  
*Gypsophila paniculata*, white, bouquet-flower.  
*Carnation*, finest double, hardy, very fragrant.  
*Clove Pink*, Old-fashioned double in finest colors.  
*Hollyhock*, finest mixture, very double, beautiful.

Now is the time to sow these seeds; now is the time to subscribe. Ask your neighbors and friends to subscribe. Act at once. Don't wait a day. Address

GEO. W. PARK, Libonia, Franklin Co., Pa.

**WATCHES AS PREMIUMS.**—For a club of 25 trial subscribers at 10 cents each (2.50), I will send to the agent by mail, postpaid, a handsome watch, suitable for a boy, or for the kitchen or bed room. Retail price, \$1.00. For 35 subscribers (3.50), I will mail a stem-wind watch, suitable for a man or for a room. Retail price, \$1.50. Both these watches are good timekeepers, and will be found reliable.

**Rudbeckia bicolor superba free.**—Those who send 10 cts. for the above collection before July 1. will get, in addition, a packet of the New Rudbeckia, a novelty worth more than the price asked for the collection.

*Arabis alpina*, lovely edging perennial, early and free-blooming. Flowers pure white in fine clusters.  
*Aquilegia*, in great variety, mixed, embracing all the choice and rare sorts, single and double.

*Campanula* Bell Flower, 15 kinds, double and single, all sorts and colors in splendid mixture.

*Carnations*, Pinks and Picotees, choicest double in great variety, including Margaret, Bedding, Cyclops, and other superb sorts, all finest imported seeds from France and Germany.

*Delphinium*, perennial, including *D. formosum*, *D. elatior*, and all the new perennials sorts.

*Digitalis*, Foxglove, splendid mixture of all the best varieties, including the new Monstrosus; also Ivory's Spotted, which bears fine spikes of spotted flowers.

*Linum* perenne, exceedingly lovely hardy perennials, all colors in fine mixture.

*Matricaria*, elegant Feverfews, hardy, double and exceedingly floriferous. The mixture includes the charming *M. capensis alba*, *M. corymbosa*, and many other grand sorts.

*Myosotis*, Forget-me-not, finest mixture. Exquisite hardy plants, bearing a mass of delicate bloom.

*Pentstemon*, finest mixture of exquisite hardy varieties; flowers of various colors.

*Rocket*, Sweet, in finest mixture of all kinds and colors. Very beautiful and very fragrant flowers in large panicles.

*Sweet William*, the new large-flowered, richly-variegated kinds, of all colors, single and double, including the new Harlequin, which has white flowers, rose flowers and rich red ones in the same cluster.

*Valeriana*, often called Garden Heliotrope; clusters of sweet flowers of various colors; hardy.

*Wahlenbergia*, all colors mixed; very rich campanula-like flowers, showy and hardy; one of our best perennials. Fine for beds and borders.

The MAGAZINE is well worth more than the sum asked, while the perennials you will find perfectly hardy and the choicest of flowers. Order and sow at once. If the seeds are sown this month you will rejoice in their bloom and beauty next season. Cultural directions in each package. Be sure to call for "Grand Perennials" to avoid mistake in sending premium.

## Get Up a Club.

Every flower-lover should subscribe for the Magazine, upon the above offer. I hope everyone who reads this will try to send a few names with his or her own. Samples and Blank Lists free. As an acknowledgment of the efforts of friends I will mail one of the following choice perennials for each trial subscription sent with your own, or all for a club of ten.

*Perennial Poppy*, superb mixture, all sorts.  
*Polemonium*, Jacob's Ladder, a superb mixture.  
*Pyrrethrum* roseum, Perennial Cosmos, mixed.  
*Biennials and Perennials*, 100 best varieties.  
*Wallflower*, Ne Plus Ultra, exquisite strain, mixed.



PENTSTEMON.



DIGITALIS.



SWEET WILLIAM.



FRENCH PICOTEE.



# \$16.90 BURDICK CABINET GRAND 16<sup>90</sup>

**SEND NO MONEY**

WITH YOUR ORDER, cut this ad. out and send to us and we will send you this **OUR BURDICK FULL CABINET GRAND SEWING MACHINE**, exactly as shown in the two illustrations, by freight C. O. D., subject to examination. YOU CAN EXAMINE it at your nearest

freight depot, and if found perfectly satisfactory, exactly as represented, equal to machines others sell as high as \$75.00 and **THE MOST WONDERFUL BARGAIN YOU EVER HEARD OF**, pay your freight agent **OUR SPE.** and freight charges. **CASH OFFER PRICE, \$16.90** The machine weighs about 130 pounds, and the freight will average 50 to 70 cents for each 500 miles. **GIVE IT THREE MONTHS' TRIAL** in your own home, and we will return your \$16.90 any day you are not satisfied.

**OUR \$16.90 BURDICK FULL CABINET GRAND**

Has Every Modern Improvement. Every Good Point of Every HIGH GRADE MACHINE MADE, with the DEFECTS OF NONE. Made by the best maker in America from the best material money can buy.

**SOLID QUARTER SAWED OAK FULL CLOSED CABINET GRAND, PIANO POLISHED.** One illustration shows machine closed, (head dropping from sight) to be used as a center table, desk or stand, the other open with full length table and head in place for sewing. A Full Grand Cabinet of New Design, the equal of cabinets shown by many with machines complete at \$60.00 to \$90.00. Carved, paneled, embossed and decorated cabinet finish, rests on four casters, adjustable treadle, genuine Davis action, Fine Large High Arm Head, positive four motion feed, self threading vibrating shuttle, automatic bobbin winder, adjustable bearings, patent tension liberator, improved loose wheel, adjustable presser foot, improved shuttle carrier, patent needle bar, patent dress guard, head is handsomely decorated and ornamented and beautifully nickel trimmed.

## GUARANTEED

the lightest running, most durable and nearest noiseless machine made. Every known attachment is furnished and our Free Instruction Book tells just how anyone can run it and do either plain or any kind of fancy work. **A 20-Years' Binding Guarantee** is sent with every machine. IT COSTS YOU NOTHING to see and examine this machine, compare it with those your storekeeper sells at \$60.00 to \$90.00, and then if convinced you are saving \$25.00 to \$40.00, pay your freight agent the **\$16.90, WE TO RETURN YOUR \$16.90** if at any time within 3 months **ORDER TODAY. DON'T DELAY.** Address,

**SEARS, ROEBUCK & CO. (Inc.) Chicago, Ill.**

When answering the above advertisement please mention Park's Floral Magazine.

## GOSSIP.

**Kentucky Wild Flowers.**—Bloodroot and the wild white Anemone are among the earliest wild flowers to bloom here, followed by Violets, of which there are three colors—blue, yellow, and purple. Two varieties of Trillium are also found, one being white, the other being of a reddish or wine color. Hepaticas and Trailing Arbutus also grow in profusion in the woods. Later there are Lady Slippers in two colors—yellow and red, and two varieties of Honeysuckles, red and yellow. The best flowers to bloom in autumn are the wild Asters, of which there are several colors, and the closed Gentian. W. C. Mollett.

Martin Co., Ky., April 28, 1900.

**About California.**—My dear Mrs. R.—I beseech you to cease longing for the tropical clime of California. Be content with what you have. I am not sure "that the most delightful part of California is along the coast from Santa Barbara to San Diego."

That is right, Mr. Editor, speak a good word for your State, dear old Pennsylvania, as well as others. God bless them all.

## A SUMMER NIGHT IN CALIFORNIA.

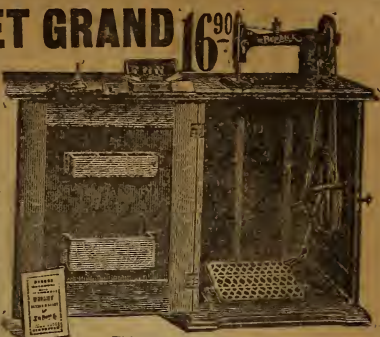
he sun sank low and hid in the west.  
he dove and the lark prepared to rest.  
ver the mountains, the moon rose high,  
and found the stars all over the sky.

I stood in the salt grass, rank and tall,  
and heard the "billy-owls" lonely call,  
And a kildee chirped in a fretful tone,  
As I stood by the fence that night, alone.

Farmersville, Cal.

Oriana Mondane.

Dear Flower Friends:—Don't you enjoy the letters of travel written by our Editor? I do. I also like the letters from sisters in the Gossip column. We have many wild flowers here—Sweet Williams, Violets, Phloxes, Asclepias, etc. The Asclepias or Milk Weed is a troublesome weed here, and hard to get rid of. The flowers are pretty and very fragrant. N. J.  
Logan Co., O., Mar. 30, 1900.



This illustration shows the Burdick Cabinet Grand Open for Work.



This illustration shows the Burdick Cabinet Grand Closed, for use as Desk, Table or Stand. you pay you are not satisfied. (Sears, Roebuck & Co. are thoroughly reliable.

**Free**

Send no money



## EARN THIS HANDSOME BROCADED DRESS SKIRT.

This is a very stylish and handsome black skirt, with a full 3 & three quarter yard sweep. It is made in a handsome variety of all over here leaf brocade, woven BRILLIANTINE; a durable and stylish material for dress skirts lined with a patent black rustling cloth, 7 in. interlined with velvet bound bottom. We will send it free to any one for selling 2 doz. sets of our Ladies Gold plated Dress Pins for 25c a set, (each pin set with an equal size jewel). Send no money. Simply send your name & address & we will send you the pins postpaid. When sold, send us the money & we will send you this beautiful DRESS SKIRT for your trouble. We trust you will take back all the pins you cannot sell. We'll send you a SOLID GOLD plated Jewel set Ring, free, if you write to-day.

**The Maxwell Co., Dept. 124 St. Louis, Mo.**

MENTION PARK'S FLORAL MAGAZINE



## BICYCLES BELOW COST

**5,000 HIGH GRADE** guaranteed **MACHINES** with best equipment must be closed out. 1900 Models, best makes, \$11 to \$20 '99 & '98 Models, high grade \$8 to \$13 **500 Second hand Wheels** all makes and models, good as new, \$3 to \$10. Great **Factory Clearing Sale** at half factory cost. We ship anywhere on trial without a cent in advance. **EARN A BICYCLE** distributing Catalogues for us. Many earned a wheel last year. Our 1900 proposition is even more liberal.

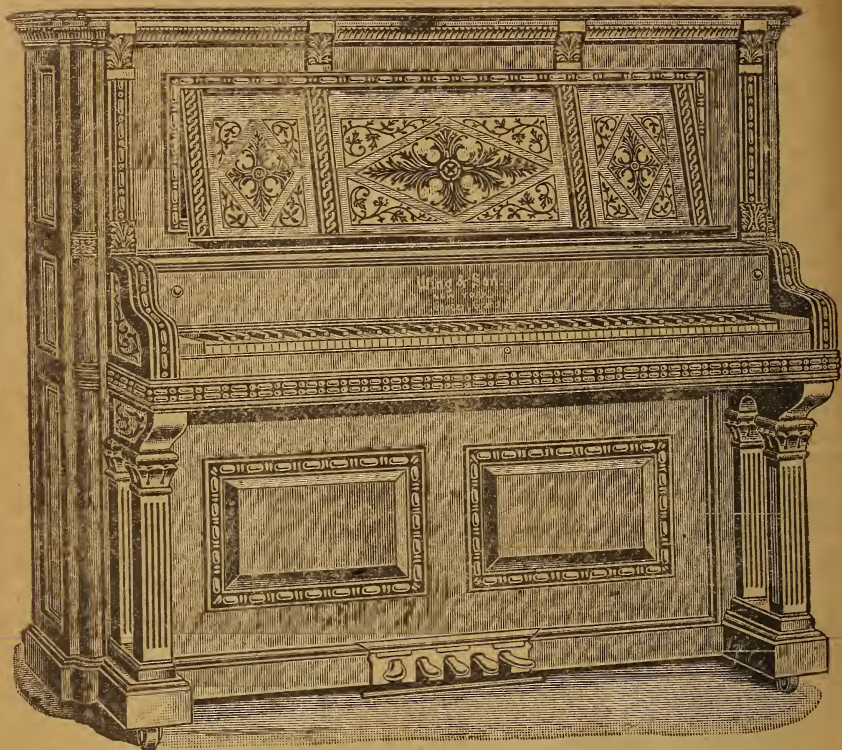
Write at once for our Bargain List and Special Offer. Address Dept. 99B **MEAD CYCLE CO. Chicago**

MENTION PARK'S FLORAL MAGAZINE



# THE WING PIANO STYLE 29 CONCERT GRAND UPRIGHT.

The Style, Design, and Finish of Case of this Piano is more Elaborate and Elegant than that of any other piano made.



**DESCRIPTION OF STYLE 29.**—7 $\frac{1}{4}$  octave. Double lever, grand repeating action. Grand scale, over-strung bass, three strings to each note in the middle and treble registers. The scale is the same as in grand pianos, with the largest size of sound board and strings of greatest length, thus giving the greatest volume and power of tone. **CASE** double veneered, inside and outside. Choice of superior Circassian walnut, rich figured mahogany, genuine quartered oak, and ebonyized. **KEYS** of best ivory and ebony.

**SPECIAL FEATURES AND IMPROVEMENTS.**—Our special method of tone regulating (treating the hammers) insures great sweetness and singing quality of tone from the beginning and makes the tone more lasting. Our method of making the wrest plank of five thicknesses of hardest rock maple, and our extra heavy metal plate construction, give great solidity and strength, and cause the piano to stay in tune for a very long time. The Wing Piano action is patterned after the perfected double lever, grand repeating action, to secure the greatest strength and power and greatest repeating qualities. Every note acts instantaneously and repeats perfectly, so that after a note is played the same note may be sounded again immediately without taking the finger from the key.

Wing Pianos have the following improvements, viz: "Built up" wrest plank construction; "dovetail" top and bottom frame case construction; full metal plate, with metal depression bar and metal supporters for key bed; improved noiseless direct-motion pedal action; improved practice attachment; full-length duet music desk; carved panels; instrumental attachment.

## THE INSTRUMENTAL ATTACHMENT.

We desire to call special attention to this improvement. The instrumental attachment enables any ordinary player to imitate perfectly the tone of the mandolin, guitar, harp, zither and banjo. Music written for these different instruments, with and without piano accompaniment, can be rendered just as acceptably by a single player on the piano as though played by a parlor orchestra.

**PRICE** We aim to make the best piano possible, and to sell it at the lowest price possible. Wing Pianos are not sold through agents. They can be bought in only one way—that is direct from our factory. On account of the large number of pianos we sell our profits are small, and when you deal with us the difference between the actual cost of manufacture and the price you pay is very little. If you wish to buy a fine piano at a low price, write us.

Wing Pianos are made in different styles at five different prices, but all are uniform in quality. Every Wing Piano is guaranteed for twelve years against any defect in tone, action, workmanship, or material.

**SENT ON TRIAL FREIGHT PREPAID.** We will send the above piano, or your choice of four other styles, to any part of the United States on trial (all freight paid by us), allow ample time for a thorough examination and trial in the home, and, if the instrument is in any particular unsatisfactory, we will take it back at our own expense. No conditions are attached to this trial. We ask for no advance payment, no deposit. We pay all freight in advance. Our object in offering these terms is to give everyone an opportunity to examine the Wing Piano free of expense or risk.

**Over 18,000 Wing Pianos manufactured and sold in 30 years (since 1868).**

*Complete Catalogue of Wing Pianos sent free on request.*

Old Instruments Exchanged **WING & SON** 305 and 307 E. 12th St.,  
Easy Payments. New York City.

• 1868==30th Year==1898.

# PARK'S FLORAL MAGAZINE.

A MONTHLY JOURNAL OF FLORICULTURE.

Vol. XXXVI.

Libonia, Pa., June, 1900.

No. 6.

## JUNE.

June, queen month of all the year,  
With train of fairest graces  
Of leaf and song, and balmy air,  
And upturned smiling faces,  
Where dew-gems glint and gleam,  
On every trembling blade  
Of nature's carpet, deftly spread,  
Beneath the orchard shade,  
With bird and flower and hearts atune  
We bow to thee, O lovely June.

Wash. Co., VI.

S. Minerva Boyce.

## PRIMULA AURICULA.

ONE of the most beautiful of the Primroses which bloom in the spring is the *Primula auricula*, an illustration of which is herewith given. The plant

is dwarf, forming a tuft of rich green leaves, among which the numerous stems surmounted by elegant flower clusters appear. The flowers are delicate in texture, rich in colors and variegations, and very beautiful and attractive. They are among the most popular and useful of the flowers cultivated in England, and well reward the florist for the care and attention bestowed in their culture.

"Auriculas" are natives of the Alps, and thrive in a cool, moist, partially shaded place. Propagation is easily effected either from offsets or seeds. The former should be taken just after the plant is through blooming, at which time the old plant should be repotted. The seeds may be sown in the spring. As a rule the germination is rather tardy, many of the seeds remaining dormant for months after sowing. The plants which start tardily from

seeds, are, however, considered the most valuable, producing flowers of superior beauty. Pot in a compost of turfy loam, leaf-mold, sand and cow manure in equal parts, drainage being liberally provided. Some protection, as a pit or cold frame, is usually recommended for the plants in a northern climate during winter. When settled out, however, they may be cared for as the Tea Rose, where the climate is not severe, the plants having merely a covering of evergreen boughs put on during the month of December. In the South protection is not necessary.

**Cactus Culture.**—A good sandy soil has been found to answer well for all Cactuses, the globular sorts needing a larger

proportion of sand, while those of *Phyllocactus* and *Epiphyllum* will stand a heavier soil, with some well-rotted manure at the bottom of the pot. In repotting prepare for drainage. A few pieces of burnt bones make excellent drainage, as they also act as a fertilizer. Fill the pot partly full of soil, then directly underneath the plant, place a handful of sand to keep the roots from getting soggy. Fill with soil, and press firmly around the plants; water sparingly unless the weather is very dry. Be sure to stake well, for many a valuable plant loses its life

by being allowed to drag one way and another before its roots are established.

Glendale, Cal.

Mrs. M. E. P.

**Plants for Winter.**—Plants for winter-blooming should be started during this month and July.



PRIMULA AURICULA.



# Park's Floral Magazine.

A MONTHLY. ENTIRELY FLORAL.

GEO. W. PARK, Editor and Publisher,  
LIBONIA, FRANKLIN COUNTY, PA.

CIRCULATION.—The actual circulation, proven when required, is 350,000 copies monthly. No free distribution to promiscuous lists of names. Advertising offices 713-718 Temple Court, New York, N. Y., The Ellis Company, Managers, to whom all "communications about advertising should be addressed.

SUBSCRIPTION PRICE, 25 cents a year, prepaid.

THE EDITOR invites correspondence with all who love and cultivate flowers.

Entered in the Post Office at Libonia as Second Class Mail Matter.

JUNE, 1900.

## NOTICE.

In answering an advertisement study it carefully to avoid any misunderstanding. The writers of advertisements are not always able to make their statements clear. For instance an advertiser has some valuable article to offer agents, in consideration of a certain amount of work, and states in his advertisement that he will send certain mentioned articles and his offer of some other article. The reader should understand that he will send the mentioned article, and simply his proposition or offer of the other article, and not the article itself. Keeping in mind these points will often prevent much disappointment.

Another matter to be mentioned here is that the editor is not responsible for statements made in advertisements. While no fraudulent advertisement is knowingly admitted to the Magazine columns, there are no two persons think alike on any subject, and the space sold the advertiser is used by him to make his own statements, and he alone is responsible for them. It is rare that anyone is disappointed in answering an advertisement in the Floral Magazine, and when disappointment does occur it is mostly because the meaning was not understood, rather than to the failure of any agreement of the advertiser.

**Coal Dust.**—The "earth" from the bottom of a wood coal pit is simply coal dust, and is worthless as a fertilizer. It is useful, however, to mix with potting soil, and also to put in the bottom of a pot, as it keeps the soil porous, and ensures good drainage.

**Wood Ashes.**—Wood ashes are useful as a fertilizer, especially when used upon foliage plants and ornamental vines. Mix with the potting soil in the proportion of one part ashes to nine parts loam. The ashes may also be used as a top-dressing, stirring into the surface soil about the plants.

**Lavender.**—Lavender plants can be raised from either seeds or cuttings. Occasionally the seeds fail to germinate, but cuttings are generally reliable when inserted in moist sand. The seeds should be covered with some fine soil and the earth firmly pressed before watering.

**Rose Freak.**—It is not uncommon for a stem to push out from the center of a rose and bear another rose upon its extremity. It is a freak of nature and cannot be explained.

## THE NEW STROBILANTHES.

THE New Strobilanthes Dyerianus is an odd and beautiful foliage plant, as easily grown as a Coleus, and requiring about the same treatment. The leaves are richly marked with brown and bright purple upon a green ground, and are of elliptical form, freely produced and very graceful. The flowers are tubular, mostly borne in winter, and are of a bluish purple color. They are not particularly attractive, and it is to be regretted that when the flowers begin to appear the leaves become faded and the plant loses its charming freshness and beauty.

A compost of loam, sand and manure, well incorporated, suits this plant, and a warm, moist temperature with partial shade. When fully exposed to the bright, hot, summer sun the leaves are liable to scorch and fade. See that drainage is good, and shift into a large pot as growth advances, to keep the roots free and the branches growing. If the plant is allowed to become root-bound it may begin to bloom, and this is not to be desired, as the gorgeously marked foliage is its chief beauty. Propagation is readily effected from cuttings of the point branches, placed in wet sand, with bottom heat. The pruning thus effected will not be detrimental to the beauty of the plant, except for a short time, for numerous new side shoots will soon appear, and a more dense and brilliant array of leaves will result. The plant is unlike any other foliage plant in its general form and markings, and deserves a place in every plant collection.

**Freesias After Blooming.**—After Freesias are through blooming continue to water them till the foliage fades, then dry them off and place the pots on a dry shelf in the cellar till fall. The bulbs may then be taken out, repotted in fresh soil, watered, and the growth renewed, to secure another crop of flowers. If properly ripened the bulbs can be depended upon to bear flowers every season.

**Crassula cordata.**—Crassula cordata is a succulent plant, and should not be freely watered, though not entirely dried off. It will thrive in rather poor, sandy soil and in a sunny situation. Grown in a pot or vase it is beautiful as a foliage plant, and rarely fails to produce its panicles of delicate rosy flowers during the winter months.

**Fern Roots.**—The roots of Ferns are generally fibrous, wiry and in masses. They do not bear tubers or "potatoes," but some have little bulb-like growths upon the margin of the fronds, which become young plants, and propagation is effected by them.



## THE CROWN ASTERS.

**A**MONG the most beautiful of the varieties of Double Aster we have the Crown or cocardeau, represented in the little engraving. The plants grow about eighteen inches high, branch freely, and each branch is terminated by buds and flowers. They are of many fine shades of color, rich and distinct, purple, blue rose, red crimson and violet, while some are of milder hues, but all are attractive. The center of every flower, however, is pure white, a most pleasing contrast with the surrounding color. Plants start readily from seeds, and are easily transplanted. Set eight inches apart they make a handsome bed in the autumn, drawing forth enthusiastic words of praise from all who see it. The little engraving shows a plant in full bloom.



**Wintering Hoya and Fern.**—*Hoya carnosa* or Wax Plant is a heat-loving plant, wintering well in the sitting room if sparingly watered. It is a plant that will endure considerable neglect, however, and might winter in a rather warm cellar. While the plant is inactive avoid free supplies of water, but do not let the soil dry out. The Boston Fern will endure a cool temperature, and under proper conditions should winter safely in the cellar. Like the wax plant, it, also, will bear much neglect, and will succeed in almost any room. It thrives without direct sunlight.

**Gray Spider.**—This is a mite similar to the so-called red spider, except in color. It works on the under side of the leaves, causing them to curl and turn brown. When they are numerous it is well to strip the plant and burn the leaves. When the attack is light, however, they can be eradicated by sponging or syringing with soap suds to which some kerosene oil has been incorporated, say a tablespoonful of oil to half a gallon of suds.

**Late Gladiolus.**—Try some late-flowering Gladiolus this season. Set the bulbs in June, five or six inches deep, and mulch the surface with stable litter. They will produce a fine display in autumn.

## THE ASTER BEETLE

**M**OST of the beautiful varieties of the well-known Double Aster have a blooming period from July till after the early autumn frosts, and consequently beds of gorgeous plants will soon come into bloom. The flowers have a formidable enemy, however, in the black beetle which preys upon the delicate petals, soiling and mutilating the flowers. Some persons recommend sprinkling the bed just as the flowers begin to show color, with water in which some paris green is stirred. Such applications must be repeated at intervals of a few days to be effectual, and when flowers are so treated it is not always safe to handle them.

Perhaps the best means of warding off the attacks of the Aster beetle is to make a frame to place over the bed of budded plants, and cover it with fine wire with a mesh small enough to prove a barrier to the beetles. Such a covering if properly made, will not interfere with the display of the flowers, while it will prevent the devastation by insect pests that may ordinarily attack them. The Ferns can be transferred to later beds, as the early beds lose their beauty.

**Pelargoniums.**—The well-known Lady Washington Geraniums or Pelargoniums bloom mostly in the spring. The plants are easily started from cuttings, grow thriftily in turfy loam, manure and sand well mixed, and if pinched to encourage branching will become strong and bushy, and have a multitude of flowers. They may also be propagated from seeds. When grown in the house they should be shifted as the roots fill the pots, and thus encourage a freer growth. A partial shade suits them in summer, but in the window in the winter they enjoy the bright sun. Dust the foliage with tobacco, syringe with tobacco tea, or fumigate with tobacco to keep down the green lice.

**Areca.**—*Areca lutescens* is an elegant Palm, with slender, gracefully curved, double-comb-like leaves, and is unsurpassed as a table plant, being more delicate in form than other sorts. To prevent the leaves from turning brown at the tips and dying, one of the chief precautions is to keep the soil moist continually, but not wet. To do this set the plant inside of a fancy earthen jardiniere and put sphagnum moss between the pot and its holder. Give partial shade and avoid chilling winds and damp, cold weather.

**Ashes.**—Ashes from burnt kitchen refuse or other burnt material is beneficial to house plants, and a thin dressing may be stirred into the surface soil once a month.

**LEMON VERBENA.**

**A**LOYSIA citriodora, the Lemon Verbena, is a shrub bearing, delightfully scented leaves, the fragrance being the chief attraction. Complaints of failure in its culture are common, but they are all chiefly due to the character of the soil, which should not be close and tenacious, but open and porous. A compost of turfy loam, manure and sharp sand in equal parts, well drained, will produce a strong thrifty growth, and even a soil composed almost of pure sand, if kept well supplied with moisture, will excite a vigorous growth. Partial shade and plenty of pot room should be given. If a bed is prepared in a place shaded from the mid-day sun, and the plants bedded out in summer, or if set in large pots of sandy soil and these plunged in such a bed, there will be no need of complaint about a weak growth. In winter, however, the plant should not be expected to grow or even hold its foliage. It is deciduous, and must remain in a semi-dormant, leafless condition for several weeks, to thrive in summer. The plants are easily propagated from young, half-hardened shoots. Propagation from seeds is uncertain, and not to be recommended. Native of Chili.

**Liquid Fertilizer.**—Avoid making the liquid fertilizer too strong, and then apply once in eight or ten days. There is more danger of injury from the richness of the liquid than from too frequent applications. It is better to apply a very weak liquid at first, and increase its strength gradually, being careful to watch the effect. A knowledge of how strong and how often to use a liquid fertilizer may then be obtained.

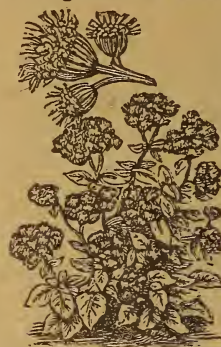
**Ruellia Makoyana.**—This plant likes partial shade and a rather warm, moist atmosphere. Give it a rich, porous soil and water regularly. Exposed to the full sun and subjected to extremes of heat and cold the plants often become stunted and show rusted foliage. Well-grown, however, they are beautiful.

**Spirea Japonica.**—This is a hardy herbaceous plant which spreads quickly, soon forming a large clump. The flowers are in large, feathery panicles, white, and quite showy either in pots or beds. The clumps may be readily divided, though for forcing in winter they are usually grown in large pots or boxes.

**Gnats and Lice.**—These little pests can be eradicated by the use of insect powder and a powder bellows. Dusted in the air and over the foliage the remedy will be found effectual. Apply two or three times a week till the plants are cleaned.

**THE DWARF AGERATUM.**

**O**NE OF the best of summer-flowering plants grown from seeds is the improved dwarf form of Ageratum. The plants start readily, grow rapidly, and soon come into bloom, and when they begin to bloom they flower uninterruptedly throughout the season. During the hot,



dry summer months there are no brighter or more freely produced flowers used as an edging than these new Ageratums, and none more easily grown. Set ten inches apart they soon make a low mass of charming blue or white, and are never disappointing. The plants can be propagated from either seeds or cuttings, and are alike valuable for beds or pots, being recommended for either garden or house culture.

**About Carnations.**—Carnations do well in a rather tenacious rich loam and in a place well exposed to the sun. Florists who grow these flowers for the winter market usually sink the pots or bed the plants in an open field, pinching out the flower-bearing stalks as they appear, to make the plants stool out and become strong. Water is applied in dry weather, to encourage a thrifty growth. Avoid shade and imperfect drainage, both of which are liable to cause rust, which is a fungus for which there is no sure remedy.

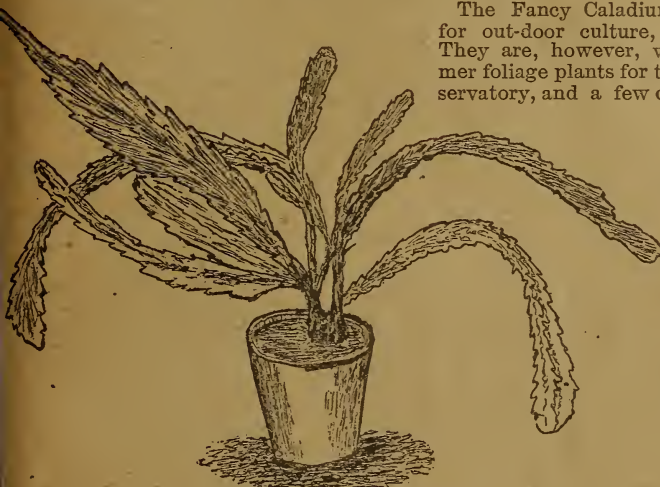
**Rose Beetles.**—The beetle which enters and ruins our Roses just as they are beginning to open may be evaded by placing a mosquito-covered frame over the plant or bed of plants. To be effectual the base should be well secured. The mosquito netting will partially shield the plant from the hot sun, wind and storm, and prove beneficial in this way, as well as a barrier to the pest, which can be scarcely overcome in any other way.

**Heaving by Frost.**—The heaving out of the ground of bulbs and plants by the action of frost can be avoided by a covering of straw or coal ashes or other material applied after the ground has become frozen. The cover must be removed before the ground thaws and becomes warm enough to start the plants. The heaving is the result of alternate freezing and thawing.



**PHYLLOCACTUS LATIFRONS.**

**A** SUBSCRIBER from South Boston, Massachusetts, sends the Editor a pen drawing of a Cactus, and asks for its name. It grows rapidly, the stems being long and whip-like, then developing into a broad, flat leaf at the extremity. It is evidently of *Phyllocactus latifrons*, commonly known as Queen Cactus. The plant is easily started from a leaf, is easily cared for, and will bloom the second or third year after started. The flowers are six inches or more in diameter, white with yellow tint, graceful in form and deliciously scented. It does not have



PHYLLOCACTUS LATIFRONS.

no objectionable spines found on many plants of the Cactus family, and is a desirable window plant, blooming freely every season. It is one of the few Cactuses that can be unhesitatingly recommended to the amateur's window. The engraving here given is of the drawing sent.

**Water Lilies.**—The White Water Lily, *Nymphaea odorata* is adapted for ponds in any part of the United States, enduring either cold or heat. It is one of the most beautiful of water plants, and will grow almost without care, if given good, boggy soil, with a few inches of water. The plants will even grow well in a tub of water with some soil in the bottom to nourish the roots. Should insects infest the water a little fresh-slaked lime stirred in will quickly and effectually eradicate them.

**Horn Dust.**—The dust found about a soap where combs are made is valuable as fertilizer. Simply dig it into the surface soil.

**ABOUT CALADIUMS.**

**T**HE Fancy Caladiums are tender plants, growing in summer and resting in winter. They are mostly kept over winter by drying off in autumn the soil in which they are growing, and allowing the tubers to remain in the soil in a rather warm place till potting time in the spring. The *Caladium esculentum* is a different kind, with immense green leaves, and is much hardier than the fancy-leaved kinds. The tubers of this sort may be lifted and kept over winter just as you would keep *Gladiolus*. They all thrive in a warm, moist atmosphere with liberal applications of water.

The Fancy Caladiums are not suitable for out-door culture, being too tender. They are, however, very beautiful summer foliage plants for the window or conservatory, and a few of the choice named

varieties make a tropical display that can hardly be surpassed by any other plant. *Caladium esculentum* makes a fine tropical specimen on the lawn, when planted in rich soil, and well supplied with water. It is extensively grown in Japan for the tubers, which are esculent, and much used by the inhabitants of

that country as an article of food.

**Hydrangeas.**—*Hydrangea paniculata* is a hardy shrub, and may be propagated from cuttings taken in the fall and placed in the ground in a frame during winter, or from the cuttings of the half-ripened wood taken in summer and inserted in the sand. Those started in summer should be potted or bedded in earth as soon as well-rooted. Those inserted in autumn may be allowed to remain undisturbed until the next spring, when they will be ready to transplant to where you wish them to grow.

**Easter Lilies After Blooming.**—After Easter Lilies have bloomed the plants should be kept in a rather sunny place and watered until the leaves fade, then gradually dry off, until the soil is barely moist. The pot containing the bulb may then be set away in a cool, dry cellar till fall, when it may be taken out and repotted. If well cared for the bulbs will bloom in pots for several years.

**THE SALVIA.**

Why this whispering in the garden  
 As a royal lady, gay  
 In gown of richest scarlet  
 Is holding court to-day?  
 She surely is a stranger,  
 We'd know that by her style,  
 And tho' trembling with excitement,  
 The humble flowers smile,  
 As they with blushing faces,  
 Receive their royal guest,  
 Scattering sweetest perfumes,  
 As they bid her stay and rest,  
 In quiet sun-lit garden,  
 'Neath summer skies of blue,  
 This queen from foreign country,  
 In gown of scarlet hue.

Her royal highness smiling,  
 So graciously and sweet,  
 Listens to the country flowers,  
 That joyfully repeat,  
 To bees and passing zephyrs,  
 "She's come from land away  
 The sun-gemmed zone of tropics,  
 Through the summer she will stay!"  
 In her cap and gown of scarlet  
 You'll see she is a queen,  
 Throwing lightly o'er her shoulders,  
 Her mantle of deep green;  
 Altho' she is so regal  
 Bee rovers must be set,  
 For they say to wandering breezes  
 "We prefer Sweet Mignonette!"

*Merrimack Co., N. H. Ray Laurance.*

**MY SHRINE.**

Cape Jessamines starred the foliage, when  
 This royal bloom was here enshrined,  
 It was the "Koh-i-noor," that graced  
 A floral crown, with buds entwined.  
 Its snowy chalice held for me,  
 The honey-dew from love distilled.  
 A nectar that no lips can touch,  
 And deem love's promise unfulfilled  
 The fragrant breath—a flower's soul,  
 Close linked with Heaven, passed on.  
 The lingering essence is a wraith,  
 Of hopes, and dreams bygone.  
 I touch my treasures as they lie,  
 With tender, reverent hands, that feel  
 The force and sway of memories sweet,  
 As by their guarded shrine I kneel.  
 When comes the Master's word of faith,  
 Her wings shall cleave the starry skies,  
 Where immortelles crown golden heights  
 And Heart's-ease never dies.

*Oregon Co., Mo. Fannie P. Tucker.*

**TO THE LILIES.**

O, dainty Lily Blossoms,  
 Ye are so fair, so fair,  
 Of thee I twine a chaplet  
 To grace my sweetheart's hair,  
 And ne'er a crown so splendid  
 The eye of man hath seen,  
 As never subject honored  
 So fair and good a queen.

*Bradford Co., Pa. Lalia Mitchell.*

**THE TULIP'S PLEA.**

Inscribed to Mrs. E. R. U.

You say you detest my colors,  
 And the flaunt of my gaudy head,  
 My place in the flower garden  
 You fill with a Rose instead;  
 But the Rose will wait for the June-time  
 Before it will give you bloom,  
 Will tarry till frost no longer  
 Is clinging to winter's loom,

When drifts yet hide in the hillows.  
 And the breath of the morn is chill,  
 When brooks have broken their fetters  
 And rivulets mark the hill,  
 'Tis then that the old earth bids me  
 Arise from my lowly bed,  
 And brighten the place with color  
 And the flaunt of my gaudy head.

I blossom to greet the robin  
 In the bare, brown maple tree,  
 I whisper the golden promise  
 That the spring has told to me;  
 With the frost and the snow around me  
 I dress in my brilliant coat,  
 And nod you a gay good-morning  
 With the trill of the bluebird's note.

The Violet, the Rose and the Jasmine  
 May waft you a fragrance rare,  
 The Pansy in purple vestment  
 May seem to your eyes more fair,  
 But I, from the brown mould rising,  
 My gaudier hues will bring;  
 The others are dressed for summer,  
 While mine is the garb of spring.

*Florence Josephine Boyce.  
 Washington Co., Vt.*

**MY BROOK.**

'Tis down yon glen where rocky banks  
 Uplift their brows with grace,  
 With Pines and Cedars nobly dressed,  
 And vines across its face.

'Tis deep within the sheltering glen,  
 Where meek fawns pause to drink,  
 And browse amid the grass and Ferns  
 That fringe its pebbly brink.

And wild flowers love my gentle brook,  
 And seek its sheltered ways,  
 To live in humble, sweet content,  
 Through golden summer days.

*Cochise Co., Ariz. Ad H. Gibson.*

**APPLE BLOSSOMS.**

Sweet Apple Blossoms by the garden wall,  
 Your fragrance so sweet,  
 I with love ever greet,  
 So gently, so softly, your pink petals fall,  
 Oh, handle with care  
 Fairy spirits breath there.

Sweet Apple Blossoms of orchards the pride  
 Now filling the air  
 With fragrance so rare,  
 Awaking the memories that with you abide.  
 Sweet Blossoms so true,  
 How dear I love you.

*Rosewood, O. H. H.*



**BEGONIA, OTTO HACKER.**

THE leaves of this flowering Begonia are rather large, the upper side being glossy green, sometimes spotted, while underneath they are dark red. The flowers are borne in large drooping clusters, the individual flowers measuring generally about two inches, and in color a bright coral red. I have had a plant of this variety for the last four or five years. Last summer it was particularly beautiful, being about three feet high and having as many as twenty large clusters of flowers open at one time, each cluster having from fifteen to twenty-five flowers. It was the wonder and admiration of all who saw it. During summer I kept it growing on the north side of the house, giving plenty of root room. In fall when there is danger of frost, I remove it to the house; but not having a suitable window in which to winter it, I allow it to rest all winter. By "rest" I mean placing it in a cool room, giving only a partial light and just sufficient water to keep from wilting. In this room it remains all winter, protected, of course, from frost. About the latter part of March I bring it from its resting place, and it is a pitiful looking object, with its long branches devoid of leaves and only a pale green shoot at the tip of each branch. With a sharp knife I cut from two to four inches from each of the branches, trimming to a symmetrical shape. I then place it in a warm room, giving plenty of light. In a few weeks growth begins, new leaves pushing from almost every joint. When growth has well started I report in good rich soil, composed of rich river loam and good garden soil. It seems to grow with renewed vigor after its long period of rest, for in a comparatively short time my Begonia is again a "thing of beauty."

Mrs. M. R. B.

Scioto Co., Ohio, Jan. 9, 1900.

**Cereus flagelliformis**.—My *Cereus flagelliformis* or Rat-tail Cactus has about one hundred bloom buds on it, some almost open, and others just starting. It is the most admired plant that I have. It is nine years old from a cutting. I have given away a great many cuttings from it, and some of it is four feet long now. I keep it in the sun all the time. It is in a six quart tin bucket. It will bear more neglect than anything that I know of.

Mrs. O'Rear.

Liberty Hill, Ga., Apr. 13, 1900.

**Chinese Sacred Lily**.—From two Chinese Sacred Lily bulbs I have had blossoms since before Thanksgiving, and have them now in bloom. If you want something sure to bloom in a short time get a Sacred Lily.

C. J. C.

Okanogan Co., Wash., Jan. 11, 1900.

**CARNATIONS FROM SEEDS.**

TOWARD the latter part of March, 1899, I purchased some seeds of hardy Carnations and *Dianthus Pinks*. About the first of April they arrived, and were immediately planted in a window box, where they thrived well. When of sufficient size they were transplanted to a bed which is shaded from the hot sun. Several weeks later they began to bloom. There were several shades of color, among the most beautiful of which were some large, dark, velvet-red ones edged with



CHABAUD CARNATIONS.

white. They were in constant bloom till frost came, when I covered them with a layer of brush, after which I laid on a good coating of rotten manure. Imagine my surprise, then, when on uncovering them the other day, I found that they had grown through the branches and were loaded with buds, which, I expect, will open soon. For a small bed nothing can (in my estimation) excel them, and if given a trial they will prove themselves worthy a hundredfold the efforts and care bestowed upon them.

Earle E. Sherff.

Genesee Co., Mich., Apr. 9, 1900.

**The Boston Fern**.—This is one of the most beautiful of the Sword Ferns. It is now grown by the thousand for the market in all the larger cities, and is steadily increasing in popularity. In well-grown specimens the fronds attain a length of six or seven feet, like plumes arching over in every direction, in a most graceful manner. This beautiful Fern is excellent for outside planting in shady borders. It is a very fine plant for hanging-baskets or vases on the piazza in summer, and conservatory or window in winter.

A Subscriber.

New York City, N. Y., Dec. 18, 1899.

**Begonia and Fern**.—Among many fine plants that my mother has is a *Rubra Begonia* eight feet high which is in bloom nearly all the time. Also a Boston Fern, which is a beautiful plant of easy culture.

J. E. C.

Gentry Co., Mo., Jan. 29, 1900.

## JUNE.

Oh, the lovely month of June  
With its gardens all a-bloom  
And it's feathered songsters tune  
All the day.

And its wayside all a-light  
With a maze of pink and white,  
And a sheen of golden light  
All the way.

Now the humming of the bees  
Underneath the orchard trees  
Waft their music on the breeze  
From the clover.

Now doth mother robin rest  
All day long upon her nest  
Four blue eggs beneath her breast  
Doth she hover.

Fairy footsteps seem to pass,  
Bending low the waving grass,  
Undulating all the mass  
Of the meadow.

Cloudlets float across the sky,  
Ships of pearl that pass me by  
Or at anchor dreaming lie  
Casting shadow.

All alive with light and bloom  
All alive with song-birds tune,  
All alive with insects croon,  
Is the lovely month of June  
Now and ever.

Multnomah, Co., Oreg. Edith Oard.

## ENEMIES OF THE ROSE.

WHEN the Rose is in a vigorous growing condition it is seldom troubled with insects, but when insects do appear, it is best to check their ravages at once. The first enemy that appears is the Aphis, or Green Fly. This insect feeds on the juice of soft wood and foliage, and can easily be detected; dust the parts affected with snuff, or sprinkle the plants with tobacco water. To make the tobacco water, get some stems from a tobaccoist and pack them in a bucket or any vessel of the kind, then fill up with water and let it stand for half a day; sprinkle the plants thoroughly, and about half an hour afterward sprinkle with pure water, to remove the tobacco stains.

Mildew is a fungus disease, caused by sudden changes in the atmosphere, and generally makes its appearance in dull cloudy weather; it is easily removed by dusting flowers of sulphur on the foliage. This should be done in the morning, when the dew is on the leaves. If there is no dew, sprinkle the leaves with water before applying the sulphur.

The Rose slug is a large soft "worm," which attacks the Rose in June, and if not checked, will soon leave the plants bare. To remove them, apply powdered white Hellebore early in the morning, or they can be removed by hand-picking.

The Rose bug is a brown beetle which comes in June, and feeds on the Rose buds and flowers. Hand picking is the only

effectual remedy, and they should be removed in the morning and burned.

The red spider is a small insect which sometimes appears on the foliage. Give the plant a vigorous syringing with pure water, morning and evening, being careful not to miss the under side of the leaves; by doing this for a few days the insects will soon disappear.

Frequent syringings or sprinklings with clean water, plenty of fresh air, and the strong, healthy growth thereby obtained are the best safeguards against insect attacks, and the ounce of prevention is worth many pounds of cure. Destroy the first insects to appear. This may easily be done with the fingers or a stiff brush, and it will save lots of subsequent labor.

A Subscriber.

New York, N. Y., April 4, 1900.

[NOTE.—The best remedy for mildew is to paint the steam or hot water pipes with sulphur. This will evaporate slowly and destroy the germs of the fungus. When the sulphur is dusted upon the foliage the bright sun is often more destructive to the foliage than the mildew.—Ed.]

**Lantanas.**—Did you ever raise these lovely plants from seeds? Several years ago we planted seeds, and the plants grew large, but did not bloom that summer. One which was kept over winter bloomed the next summer, and was pink and yellow. In the fall it was put in the cellar, and as we had an unusually severe winter I thought it was dead. Returning in July from a five-weeks visit I found this dead(?) plant covered with bloom, and it was indeed lovely. It flowered continually, wanting plenty of water.



Last fall a friend gave me a red and yellow Lantana, and it began blooming right away, being only a few inches high. I have grown Don Calmet or Weeping Lantana and find it a very free-blooming plant. It is well adapted for growing in a hanging basket. Germination of Lantana seeds is a little difficult, but if fresh seeds are used, the results are satisfactory.

Lula S.

St. Joseph Co., Ind., May 7, 1900.

**Date Seeds.**—I am starting some Date seeds this spring. I placed them in a dish of water in February, keeping them there for several weeks, making no perceptible difference in their hard brown appearance. So I just put them in some good soil, where they remained until a few weeks ago, when, upon investigation, I found a tiny white sprout had started out of the back of the seed.

Mrs. G. S.

Horton Bay, Mich., Apr. 24, 1900.



## THE GLADIOLUS.

FOR ease of culture, certainty of bloom, and small expense for a fine show of flowers nothing can equal the Gladiolus. Although good culture pays in this as in all other gardening, yet the Gladiolus will bear neglect and a poor situation better than most bulbs, and still give a fair number of flowers. One year, on account of sickness, my bulbs were not put out at all. After remaining in the cellar for a year and a half, they were found to be alive, though badly shrunken, and were planted in the garden with the vegetables, as we did not suppose they could amount to anything after such treatment. They grew finely and many of them bloomed, though the spikes were not as large as usual. When the bulbs were lifted in the fall we were surprised to find the largest, finest bulbs we ever had, and a good increase in number. While I do not advise such ill-usage of any plants, yet I would say, do not be discouraged if they are neglected more than you would like, or if your order for them may be sent a little late. Early orders are best, always, but one often finds vacant places where they can use a few bulbs, and, too, it is a good plan to plant at intervals that their blooming time may be extended. It is also a good plan to have a large bed of them somewhere, especially for cutting, as they are among the best for that. The spikes of bloom last a long time, as the buds usually open nicely after some days. Lemoine's new hardy Gladiolus are fine, and quite a contrast to others. Their peculiar shape and beautiful markings make them very attractive and remind one of Orchids. While they may be hardy, it seems better to treat them like other varieties. They require very little care. You have only to lift them in the fall, store them in a safe place, where they will not freeze, and we have no fear that they will winter-kill, however severe the winter. As you remove the piece of old stalk in the spring, there they are peeping out ready for another year's blooming.

Aunt Eda.

Tioga Co., N. Y., Mar. 27, 1900.

[NOTE.—Gladiolus bulbs should be planted five or six inches deep. They will then stand erect without staking, and the hot sun will not interfere with the growth and development of the spikes and flowers.—Ed.]

**Cardinal Flower.**—I find the best way to get the Cardinal flower is to transplant it from its native place to the garden in the spring. It will blossom for you the same summer. I get mine out of a brook as soon as it begins to grow, setting it in my flower bed and keeping it well watered.

Connecticut Sister.

Middlesex Co., Conn., Mar. 23, 1900.

## ABOUT CRINUM.

BUYING a promiscuous collection of bulbs in an apartment store, I bought a Crinum, and not knowing what it was I planted it with the other bulbs down deep in good rich ground. It came up with strong, long green leaves the next year, but bore no flowers, and it did the same the second year. So I began to think it took up too much ground for nothing but green leaves. But I gave it another chance. The third year it came up the same, but this time after a while, it sent up a solid stalk with a bud on top that; bud bursted and showed fifteen more buds that looked like White Lily buds. They all bloomed out beautiful Lilies, and before they were done it sent up two more such stalks with a dozen or more flowers, and they were all perfect. I think there were about forty flowers in all. When I found out what it was I did not throw it away. I gave it plenty of liquid manure while blooming, and then left it to take chances till cold weather came. Then I took a large market vegetable basket sixteen inches in diameter at the top and twelve inches at bottom, about twenty-two inches deep, and taking the bottom out, turned the basket over the Crinum after having bunched up the green leaves. Then I took dried grass and stuffed it tight all around up to the top. Then I wrapped with old ingrain carpet, tied all closely around outside of the basket, and turned a common peach basket upside down over the basket that was covered with carpet. That keeps my Crinum all right through the severest winters we had here the last five years. It has done finely every year. I have not disturbed the root since it was planted. It bears seed bulbs; these I plant around the root of the parent and let them take their chances.

Thos. N. Fraiser.

Philadelphia, Pa.

**Pansies.**—Pansies are always in good taste for all occasions, and are so easily grown from seeds. Nearly every seed will germinate. Give good soil, morning sun and water. How they will repay your labor blossoming till the snow comes! If covered with leaves or straw the roots will live over winter, and the blossoms will put out early in the spring. If you want an abundance of large flowers, keep the flowers cut, letting no seed pods form.

Middlesex Co., Mass.

Ethelyn.

**Manure Water Injurious.**—My neighbor had a Wax Plant which was just beginning to bloom nicely, when she gave it a dose of manure water, to help it, she thought. The plant died.

Jessie E. Childers.

Gentry Co., Mo., Jan. 29, 1900.

## ABOUT CACTUSES.

**N**OW is the time to put your Cactuses out in the sunshine, or at least all plants of *Cereus*, *Echinocactus* and *Opuntia*. A convenient way, if you do not wish to lift them from their pots, is to group them in a circle, the larger ones in the center, smaller ones on the outside, and fill between and to the top of the pots with soil. Slope down on all sides, leaving it mound-shaped, and set a border of *Echeverias* or *Sempervivums*. These may be of small plants, as they are such rapid growers, and can be stored in winter. *Phyllocactuses*, *Epiphyllums* and such sorts as cannot endure direct sunshine should have a corner on the porch, or some partially shaded situation, where they are also protected from strong wind. A tub or box nicely painted will prove ornamental as well as convenient, and will hold the roots of a large number of plants. It is also convenient to handle. It can be made very attractive by edging with *Rhipsalis*, *Epiphyllums* or *C. flagelliformis*.

Mrs. M. E. P.

Glendale, Cal., May 9, 1900.

**Streptosolen Jamesoni.**—Why do flower-lovers not plant *Streptosolen Jamesoni* for winter-blooming? Is it because it is so little known, or is it for some other reason? I find it to be one of the surest bloomers to be found in the whole list of winter-flowering or rather early spring-flowering plants. Anyone who can raise a *Heliotrope* successfully can do the same with this plant, and it is much showier. The flowers, before they are fully expanded, are a beautiful yellow, and when full blown they are of a bright orange color, but without fragrance. The remarks made when people see my plant are enough to make a person vain. It is so grand, every branch tipped with a great cluster of flowers! A few of the remarks are "Oh, my! How nice!" "What is it?" "Is it easy to raise?" "The most beautiful plant in the town!"

W. S. B.

Berks Co., Pa., Mar. 30, 1900.

[NOTE.—*Streptosolen Jamesonii*, often known as *Browallia Jamesonii*, is not always successful in the hands of the amateur, and this is doubtless the reason the plant is not popular. A report concerning the treatment given this plant by our enthusiastic friend would be of interest.—ED.]

**Catnip.**—Catnip came up in some pots with some plants, and suggested the enquiry why the city ladies do not grow this herb for their pussies. Cats are fond of the dry leaves, while the green leaves make them a healthy salad. The foliage, green or dry, makes a nice drink for children when they have colds or children's diseases.

E. E. B.

Worcester Co., Mass.

## REMEDIES FOR MOLES.

**F**OR over five years I was pestered with moles. They would dig up all of my flowers and destroy my bulbs, till I just got disgusted with them. So, one day I got a can of pulverized concentrated lye, and put that in all of their runs, and it killed the little pests. I have not been troubled with them since. It is a sure cure. It will just take the hide off of them, if it is put in good. Those who try this remedy will have no more cause to complain of moles. Mrs. S. A. King.

St. Joseph Co., Ind., Feb. 22, 1900.

If the mole-runs in the beds indicate that these troublesome pests are looking for the nice juicy bulbs that are soon to be planted, try to banish the mole before tempting him with the bulbs. I have not yet tried this remedy, but have been told to soak grains of corn in Fowler's solution of arsenic, and drop them into the runs of the moles when the freshly ridged soil shows that they are most troublesome. It is said that inside of forty-eight hours the mole will cease operations. It is claimed by some that moles will not eat seeds. It is true that the American mole will not eat them when they are hard, but only when they begin to germinate and are soft. The solution of arsenic does not arouse his suspicions, as it is almost odorless and tasteless. Mrs. P. W. H.

Philadelphia, Pa.

For the last three years I have been using coal oil as a remedy for moles. When the unmistakable run is noticed I just push a stick down to open the tunnel, and pour in almost a pint of oil, then close the opening. It is undoubtedly the most effective remedy I have ever used, and is also cheap and convenient. S. J. Bryan.

Vernon Co., Mo., Feb. 20, 1900.

Take a stick the size of a Castor Oil Bean, and make holes along in the mole's path; drop a Bean in each hole and cover. You will have no more trouble with moles there. If any beans come up you can cut them down. It would be well to let them stand, however, to ripen seeds for another time. You can get the beans of the seedsman. The expense will only be five cents, and your work will be only five minutes. Mrs. John W. Baker.

Carroll Co., Md., Mar. 1, 1900.

**Remedy for Worms.**—Lime water is perhaps the best remedy for the little worms in the soil. Let the earth become dry then saturate with lime water, and if thoroughly done the worms will be found dead on the top of the soil.

Hortense W. H.

Hampden Co., Mass., Jan. 4, 1900.



THE BOSTON FERN—*NEPHROLEPIS EXALTATA BOSTONIENSIS*.**THE BOSTON FERN.**

**T**HE Boston Fern, scientifically known as *Nephrolepis exaltata Bostoniensis*, has become very fashionable within the past five years, as the fact has become known that it is one of the most graceful and beautiful of foliage plants for the house, and as easily grown as a Geranium. The leaves are sword-shaped, as indicated in the accompanying engraving, and the plant stools out and soon attains a luxuriant form, exciting the admiration of all who see it. It improves with age, and by shifting soon becomes an immense specimen. It is readily propagated from runners, as well as from spores.

Those who attended the Flower Show of the Pennsylvania Horticultural Society at Philadelphia last autumn will remember the magnificent specimens of Boston Fern placed there on exhibition. Just such plants may be grown by any skillful ama-

teur, for the plant will thrive under even adverse conditions, and increase in size and beauty with age. It is consequently one of the best foliage plants that can be obtained for the busy house wife, giving her assurances of success and pleasure. It well deserves the popularity that has come to it.

**Heliotropes.**—I think many fail with Heliotropes from withholding water. They must have plenty of water. Mine receive a daily sprinkle, and reward me with constant, great, fragrant clusters of bloom. Mrs. G. H.

Horton Bay, Mich., April 27, 1900.

**Shoo-Fly Plant.**—My husband sowed our yard with grass seed from baled hay, and I have been pulling up Shoo-Fly plants ever since. They look too much like Jimson to suit me. Mrs. H. L. Bingham.

Giles Co., Va., May 1, 1899.

## ABOUT BIRDS.

**I**N this part of Nebraska we are now overrun with English sparrows. Our numerous hawks and owls still keep the field crop reduced in numbers, and right in the center of town I saw last summer a blue-jay kill and eat a sparrow that was well feathered and had learned to fly. At this season in our towns, however, we are greeted with a continual quarrel between the sparrows and all our other birds, and even after the nests are built the sparrows will tear them out of the boxes and destroy the eggs or young. But for the little wren, especially, I write this letter. I discovered by watching that a wren can go through a round hole just one inch in diameter, and a sparrow cannot. By boring the hole near the corner of the box, even a small one, the wrens are enabled to build their nest so far from the opening that sparrows cannot reach in and pull it out. I have some boxes with one-inch holes, from around which the sparrows have actually picked away the old wood and left a circle as bright as a new board, but though they can see in they cannot get in, and when the wrens arrive their home and protection awaits their occupation.

Gage Co., Neb.

A. C. Lyon.

[NOTE.—Our native song birds, as a class, are the natural protectors of our flowering plants and shrubs, destroying the insects and worms which live upon the foliage and stems. The above article is, therefore, appropriate, and may prove serviceable in promoting the welfare of one of the most cheerful and useful of our little feathered friends—the house-wren.—ED.]

**About Bougainvilleas.**—Dear Mr. Editor: I have heard that Bougainvillea glabra, when grown in a pot, is not satisfactory when grown by an amateur, but must be grown in a greenhouse to obtain good results. I have read that Bougainvillea glabra Sanderiana is a great improvement over the old sort, and is highly recommended to the amateur, and is a very free bloomer. Do you know if this is true? Several months ago I saw a lovely vine covered with pink bloom, growing in the Botanic Gardens in Washington, D. C. Upon inquiry I was told it was Bougainvillea. It was grand beyond description. I would be glad for some information, and believe if B. glabra Sanderiana is what is claimed for it you would be offering it to your customers.

Lula Sanger.

St. Joseph Co., Ind.

[NOTE.—Bougainvillea glabra Sanderiana is offered in the premium plant list, although most florists ask from 25 cents to 50 cents each for the plants. The Editor has not had sufficient experience with the plant to recommend it enthusiastically, though specimens seen in bloom were gorgeous and beautiful. Those who have been successful with this plant should report, giving directions for treatment.—ED.]

## PARISIAN WALLFLOWER.

**S**EEDS of the Parisian Wallflower were given me in a seed order last spring. The seed germinated readily but I only succeeded in growing one to perfection. That I potted and brought in over winter. It commenced blooming about mid-winter and has been in bud or bloom nearly ever since. While the flower is not so showy (being a bronze yellow)—it is still rather pretty, but the fragrance is its charm. It might be readily taken for that of Violets. I kept it on the window by my sewing chair and greatly enjoyed its perfume while the winter snow covered my summer flower beds.

The flower, too, has one peculiarity. If each separate flower is nipped off the terminal branch will send forth new buds, and bloom immediately, while if the stem is cut that is the end of it until a new one is formed. At one time I nipped the flower off two, and cut off two flower stems; immediately new buds formed on the first two and are now in bloom, while the others show no sign of buds.

It pleases me because it stands the hot dry air of a furnace better than many plants.

Lalia.

Williams Co., Ohio, May 1, 1900.

**The Morning Glory.**—The Morning Glory has been greatly improved of late years, and some varieties, like the Japanese Imperial, have become very popular. There is a wider range of pure, decided color in this flower than in almost any other. It is as easy to grow as any weed, and propagates itself almost as rapidly from self-sown seeds the season following. The seeds should be sown in the open ground. Give support as soon as they show a disposition to run.

Meriden, Ct., May 14, 1900.

L. D. F.

[NOTE.—The so-called Japanese Morning Glory is a tropical species of Ipomoea, similar to or identical with Ipomoea limbata. It will not bloom so freely nor bear such neglect as the well-known Morning Glory, mostly classed as Convolvulus major.—ED.]

**About Tulips.**—One sister declares she does not like Tulips, and I wondered if she had ever seen a bed of pure white double Tulips, with their waxen white petals and yellow centers. They resemble a white Water Lily, one of the most beautiful of all flowers. And the early Duc Van Thols, which bloom with the Hyacinth, can anyone praise them too much? If the floral sister could see my collection of Tulips, I am sure she would change her mind about them. I find that the moles like them much better than I do, for they eat many that I have to replace.

Ima.

Geauga Co. O., May 14, 1900.



**SAPONARIA OCYMOIDES  
SPLENDENS.**

**PLANTS FOR GAS-LIGHTED  
ROOMS.**

**T**WO YEARS ago Mr. Park sent me a packet of seeds of *Saponaria ocyroides splendens*. Some were planted, and the plants set in the beds with other seedlings. Owing to the drought that summer the annuals amounted to nothing. Imagine my surprise last spring to find a little plant, which I had thought was *Forget-me-not*, covered with buds, and it proved to be this lovely peren-

**I**N THE April number of the FLORAL MAGAZINE, Sister Martha wishes to know what plants she can grow in a gas-lighted room. The sister doesn't say whether it is a sunshiny room or a room facing the North. This is my experience with plants. I have heard many people say plants cannot be grown in a room lighted or heated by gas, but I use both, and have lovely, sturdy plants. My windows are all exposed to sunshine. I have a Palm that my husband bought me three years ago, and it is the healthiest plant and the richest green one could wish for. I have one pot of Ferns. The plants are young, but grow very rapidly. I have a young plant of *Asparagus Sprengeri*, that grows lovely, and one of the other *Asparagus* plants that is a perfect beauty. It completely fills a ten-inch pot. I have *Begonias*, *Primroses*, *Callas*, and *Chrysanthemums*. An *Umbrella Plant* I have growing in a fish globe with stones and shells.

You musn't be afraid of a little steam, or plenty of fresh air. Several times a day, when suitable, open all the doors and windows, and where the sun is strong I keep a glass of water sitting close to the window panes.

All steam from the cooking goes through my house, except frying of meats. I keep water boiling or hot enough to form steam on the stove all the time, and spray my plants once a week, except Palms. Those I wash with a sponge, using Ivory soap and tepid water. I also use some good fertilizer once in a while.

Mrs. James Odell.

Kent Co., Mich., April 23, 1900.

**In Defence of the Tulip.**—I wish to say a few words in defence of the Tulip that a sister so bitterly condemns. If she could step into my flower garden this morning I think she would change her mind about the flowers being "gaudy, flaunting, scentless things." A bed of crimson and white is much admired—nothing flaunting about them. Another bed of yellow, with buds like a rose, and, oh, so sweet-scented, not at all gaudy, is a perfect gleam of gold. The Tulips are, to the flower garden what the sunshine is to a winter day, and who would dare call the sunshine a gaudy, flaunting thing. While we all acknowledge the *Hyacinth* as queen of spring flowers, in the same breath we add the Tulip, as something grand and beautiful beyond description.

Mrs. L. K. Rayner.

Summer Co., Tenn., May 9, 1900.



SAPONARIA OCYMOIDES SPLENDENS.

nial. The bloom lasted a long time. It was afterward planted on the grave of a loved one.

I think this would make a grand plant for an edging. Think of it! Forgotten, neglected, living through a long drought, then springing up and blooming the next spring without any care or trouble. What must the plant be with good treatment? You will not regret giving it a trial.

Lula S.

St. Joseph Co., Ind., May 7, 1900.

**Kenilworth Ivy.**—Kenilworth Ivy has proved hardy with me, having lived out in a keg without any protection whatever. I wonder if anyone has discovered that mice are fond of the leaves. My plant was constantly stripped of its leaves as fast as they appeared, until having found traces of my little visitor, the pot was suspended where the little fellow could not reach it, then the plant thrived.

Hortense W. H.

Hampden Co., Mass., Jan. 5, 1900.

## ORNAMENTAL CLIMBERS.

**E**VERY garden, every cottage, every fence, wall, stump or old tree is beautified by the graceful and profuse flowering vines. Vines are nature's draperies and are essential to any and every attempt to beautify one's home surroundings. Beautiful vines! Many an unsightly object do they cover, and many a lovely screen, or fence, or trellis do they make masses of beautiful blossoms and graceful shade. What more delightful than some of the useful and ornamental climbers decorating your home—Centrosema, Sweet Peas, Morning Glories, Moon Flowers, Ampelopsis, Canary Bird Flower, Clematis, Honeysuckle, Gourds, Nasturtium, Wild Cucumber, etc. Sow seeds either indoors or in hot beds, or directly in the open ground, as soon as warm weather comes, giving good light and rich soil. Do not plant too deep. As soon as the young plants are large enough thin out or transplant to permanent positions. While little care need be given this delightful class of plants, you will be well repaid by giving the beds a medium amount of water, and thorough cultivation, and in the instance of biennial or perennial varieties cover with straw or litter every fall to protect them from any sudden changes which may have a tendency to affect them.

A. Subscriber.

New York City, Mar. 12, 1900.

**Maurandya.**—The Maurandya is a graceful climber, which, while almost too delicate for out-door culture at the North, is excellent for baskets and vases, which may be easily shielded from any extremes of cold. Seeds should be sown in the hot-bed or greenhouse. The foliage is abundant, a desirable quality in any climber, and the flowers are of good size, form and color.

Lawrence D. Fogg.

New Haven Co., Conn., May 14, 1900.

[NOTE.—It is a mistake to regard the Maurandya as a tender vine, unsuitable to our northern States. The seeds are small, and the diminutive young plants must not be exposed to the sun and wind and dashing rains until they attain some size. Once started they are quite hardy, and delight in cool, damp weather. They seem to revel in the late, frosty autumn days, long after Cypress and Morning Glory vines have been destroyed by the Frost king.—Ed.]

**Impatiens Sultana.**—My plant of Impatiens Sultana obtained last August has been in bloom since last October, and has had as many as thirty-four flowers on it at once. Why not class the plant among winter bloomers, as all it needs is light, heat and plenty of water. It will do without sunshine.

Mr. C. Ferralls.

Saint Clair Co., Mich., Mar. 2, 1900.

## EASTER LILIES.

**I**READ, not many days ago, that Easter Lilies this spring would be scarce and high, as the bulbs from Bermuda were very poor. But I must have had the luck to get one of the few good ones, as I have one coming into bloom that is unusually fine. The stalk is over three feet tall, very thick and strong, and crowned with six large buds, one of which is now opening, three days before Easter, into a snowy, golden-hearted trumpet, nearly nine inches long, and the others will probably be open by Easter. I hope the Lily disease which seems to prevail among Bermuda Lilies will not rob us of the plants entirely, as there never was a flower so fitted to celebrate the rising of the Lord. They seem to have been created for that special purpose. I kept mine in a rather cool room, away from direct fire heat, after it was brought out from its retirement in the dark, where it grew slowly and steadily until about the last of February, when I brought it into a warm room, sprinkled every day, and watered well, and the buds almost raced in growing. I could almost see them grow.

Mary B. Appley.

Windham Co., Conn., April 11, 1900.

[NOTE.—The Lily disease prevails to such an extent in Bermuda that it is almost impossible to get sound bulbs of the Bermuda Easter Lily. Recently an improved form of *Lilium longiflorum*, bearing several flowers, has been imported from Japan to take the place of the Bermuda Lily. This substitute is healthy, and it is hoped that as a pot plant for Easter it will prove as valuable as the Bermuda sort.—Ed.]

**Galtonia Candicans.**—This is a near relative of the Hyacinth, and blooms late in the summer. The flowers are white, and are borne on a stem two feet tall. It is of easy culture, and is hardy, except in very cold localities, where it requires to be protected by covering with leaves or litter during winter.

W. C. Mollett.

Martin Co., Ky., April 28, 1900.

**Acalypha.**—*Acalypha Sanderiana* is an exceedingly fine novelty, of very free growth and great blooming capacity. In habit it is widely branching, the long, crimson, chenille-like spikes of bloom being thrown out freely between the rich green leaves, and producing an effect as unique as it is beautiful.

Mary Foster Snider.

Detroit, Mich., May 3, 1900.

**A Summer Bed.**—A bed of *Salvia splendens* edged with *Alyssum*, Candytuft, or *Ageratum* is beautiful. All are very floriferous, good for cut flowers and easily grown from seeds.

Ethelyn,

Middlesex Co. Mass.



FOR WINTER-BLOOMING.

**D**ON'T put off starting plants for winter-blooming until so late they will fail to develop properly. Many of the most desirable plants for winter and spring bloom should be well started not later than July or August, if an abundance of flowers is desired. If purchased thus early from a florist very small plants will make sufficient growth before cold weather sets in, to yield a surprising amount of beautiful flowers.

Geraniums, Petunias, and a number of the well-known old stand-bys may safely be started from slips, but every flower-grower aspires to something a little different from that in his or her neighbor's window garden. In order to have this some of the newer plants must be invested in. Then there is, as well, the never-ceasing pleasure and pride in caring for and watching a fine novelty develop its buds and blossoms into a beauty not even rivalled by its description and photograph in a floral magazine. There are many novelties well worth trying, but unless one has plenty of space for them it is better not to experiment with very many, if one must do so at the expense of too many of the lovely old favorites.

Mary Foster Snider.

Detroit, Mich., May 3, 1900.

[NOTE.—*Browallia*, *Impatiens sultana*, *Chabaud* Carnations, *Lobelia*, *Schizanthus*, Double Daisies, and many other plants that bloom well in the window in winter can be readily started from seeds this month. Grow in pots, shifting as the plants develop, and they will be ready to bloom by winter.—ED.]

**Parsley and Sweet Alyssum.**—

Have you ever tried edging your beds or borders with Parsley and Sweet Alyssum. We all know the virtues of Alyssum alone, but try alternating the two. The Parsley is such a beautiful green, and the dainty little Alyssum blossoms lift their heads so prettily between the plants. Parsley alone makes a desirable border plant. It is a plant useful as well as ornamental. It is delightful to always have such desirable plants with which to garnish meats, fish, etc. In the fall lift a few plants for the winter. they are pretty satisfactory plants for the window, and will live in a room where you could not possibly keep other plants on account of the cold.

Ethelyn.

Marlboro, Mass.

**Lobster Cactus.**—I notice a subscriber complains of her Lobster Cactus not blooming. If she will let it get root-bound I think it will bloom. I had one with 175 buds and blossoms on at one time, and it blooms every year.

Mrs. R. H.

Labette Kas,

A ROOF GARDEN.

**H**OW many of PARK's readers ever had a roof garden? I was the happy possessor of one last summer, and the best part of all, it was a success. I live in the city and have only a small yard for flowers, so hit upon the happy idea of having them growing on the roof. First, I obtained long wooden boxes, and had them painted a pleasing shade of dark green. Then I had pails, tubs, half-barrels, and any other thing which would hold dirt and give plenty of room for the roots. These were all filled with good, rich soil, and planted with seedlings and slips. Myseeds are planted in March or early in April. I now have growing (April 18) Asters, Phlox Drummondii, Salpiglossis, Pansies, Coreopsis, and other seedlings. I transplant them to these boxes and tubs on the roof. I also intend slipping some Carnations. Last summer I grew successfully in my roof garden Morning Glories, Climbing Nasturtium, Sweet Peas, Pinks, Portulaca, Lilies, Roses and many others. I expect more wonderful blooms this summer, and any one else can succeed just as well.

In the evenings when the rooms would become almost unbearable from the heat, and not a breath of air could I get, I would sit in my "garden" and enjoy the refreshing breeze which was sure to be found there. I would not be without one this summer. Neither would anyone else, if once tried. Readers, you who live in the hot, stifling cities, and who are not able to go to the country, I say to you, one and all, try a roof garden, if you can, and may you receive as much comfort and enjoyment from it as I did.

A Subscriber.

New York City, April 8, 1900.

**Kerosene Emulsion for the Hollyhock Bug.**—

At this time of the year there is often complaint of the Hollyhock bug, an insect possessing the rather long name, *orthotylus delicatus*. This is a bright green bug, triangular in form, with a yellow head. It sucks the juice from the leaves of the Hollyhocks, and soon injures the plants. The best remedy is the kerosene emulsion so often recommended for other insects; and if this is applied in time it may save a wealth of late fall blooms from injury.

P. W. H.

Philadelphia, Pa.

**Portulaca.**—This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. It is the easiest plant to transplant that I ever grew, and can be taken up and set out when in bloom without being injured. It is a very pretty annual, and blooms till frost.

W. C. Mollett,

Martin Co., Ky., April 28, 1900,

**ROOTING A ROSE IN WATER.**

**L**AST September, while at a friend's house I had a large Rose blossom given me on a stem eight inches long, with perhaps three or four leaves on it. I put it in a half pint bottle, and put it on the sash of an east window, and in six or eight weeks tiny roots appeared. The old leaves had all dropped off, and two new ones had come. I potted it in a three-inch pot filled with good loam and leaf-mould and a very little sheep manure. It is now a perfect little bush, six inches across and five inches high, is full of large leaves, and has never lost a leaf.

The blossom was a beautiful pink, very large and fragrant, but the blossom did not open as much as a great many Roses. It looked more like a half blown Rose, and never opened any more.

Is it common rooting Roses this way, or did I have extra good luck.

Clinton, Mass., Mar. 19, 1900. B. J. C.

[NOTE.—It is not uncommon to root Rose cuttings in water. The China and Tea Roses are especially easy to start in this way.—Ed.]

**About Moles.**—Doubtless the prestige of many of the sure mole remedies is due to the innate character of the mole himself, for they are often failures. With me, the moles suddenly appear, make a nuisance of themselves for a time, and then suddenly disappear for perhaps a year, or more. If the application of the remedy and the disappearance of the mischief maker coincide, of course the remedy is regarded as a sure thing. With me the sure remedy, and the only one used here, is a good mole trap carefully set in a frequented run. This will close the account with every mole that "monkeys" with it. I have read quite elaborate articles written to prove that the usefulness of the mole is so great in destroying grubs, etc., that he should never be meddled with. As for me, I prefer to deal with the grubs themselves, rather than with the grub destroyers.

Chas. A. Barrister.

Indian orchard, Mass., Mar. 3, 1900.

**Dahlia Worms.**—To destroy the "worms" which get into the stalks of Dahlias, Hollyhocks, etc., I take a sharp knife and carefully cut the stalk, beginning at the hole where the worm entered, and follow him up and kill him. The plant will wilt at first, but will revive again. If anyone knows a better way I would like to learn it.

Mrs. C. N. D.

Middlesex Co., Conn., Mar. 23, 1900.

**Must Haves.**—Nasturtium and Sweet Mignonette are among the "must haves," both ready growers and profuse bloomers.

Middlesex Co., Mass.

Ethelyn.

**CAPE JASMINE.**

**I** HAVE great success with Cape Jasmine (*Gardenia Florida*), which is my favorite flower. I have a shrub of both the double and single varieties, and have enjoyed the exquisite fragrance of this flower for eight summers. I have no hot house and have always had bad luck



with flower pets in my room, but I have a large pit in a sunny corner of my flower yard, and by having the earth banked around a wooden frame it is four or five feet high at the back. There I set my Cape Jasmynes and other tall plants. Those in pots I ar-

range on benches to bring them nearer the glass. In May, when I take my flowers from the pit. I place my Cape Jasmynes in a southeastern corner, where they are shaded from the noon and afternoon sun, which will cause the buds to wither, although the shrub appears so strong, and tough. Now I have only to give manure and water to have my reward—their beauty and perfume all the summer, from May till November, sometimes. Then I have to cut away the tallest branches from the double, which grows so fast in summer, take it from the tub, give fresh soil and a shower bath, and they are ready for winter quarters again.

Mrs. Lily C. Gale.

Smithfield, Va., Feb. 22, 1900.

**Cypress Vine.**—The Cypress Vine is one of the prettiest of our small climbers. It has dark green feathery foliage, which forms a delightful contrast to the tiny white and scarlet flowers. Soak the seeds in warm water two or three hours before planting. Sow in the open ground after all danger from frost is past.

L. F.

Meriden, Ct., May 14, 1900.

**Madame Schwaller Rose.**—I think anyone might succeed with the everblooming Rose, Mme. Schwaller. I have kept two over winter in rather an exposed position for a number of years, with little or no protection. They bloom well in summer. Even the cold winter of 1899 they came through all right.

Bryan, O., May 1, 1900.

Lalice.



# THE SECRET OF PALM CULTURE.

# ABOUT BEGONIAS.

I HAVE tried every suggestion about Palm culture, but still the tips of my Palm leaves would turn brown, and finally the Palm would die. But at last I have learned the cause of the brown tips. My plants were simply buried too deep in the soil, and the poor things suffocated. Sister, pull up your Palms, notice where the roots start out from the stem, and set the plants so these roots will be just below the surface. It will do no harm if some of the surface roots are exposed, but cover a portion of the stem with soil and your Palm is doomed. Not a leaf has turned brown since I planted them at the proper depth. My experience and observation lead me to believe that deep planting of Palms is the cause of nine out of ten failures met with by amateur florists in the culture of this class of plants, and I feel that many persons will be glad to know the cause, that they may give the treatment necessary to success.

Mrs. A. H. B.

Middlesex Co., Mass., Feb. 23, 1900.

**Cobœa Scandens.**—Cobœa Scandens has grown steadily into favor of late years. It is of rapid growth, frequently attaining a height of twenty feet before the end of the season. The bell-shaped flowers are large and beautiful. They open green and turn to a lovely violet blue. A plant showing all the varying hues between these two colors is a sight that causes every one to pause and admire. The seeds should be planted edge down, in boxes. Moisten the soil down before planting the seeds, and do not water until the plants appear above ground, unless the soil becomes very dry. The plants should be set out as early in the spring as the weather will allow.

Meriden, Conn.

L. D. F.

**Sweet Peas.**—Sweet Peas do well for me on the south side of the house in earth well incorporated with rotted chip manure, which keeps the roots moist and cool. While my neighbors complain of the short, withered growth and sparse flowers, mine grow most luxuriantly, and flower freely until frost finishes them off.

Mrs. Geo. Safford.

Charlevoix Co., Mich., Apr. 24, 1900.

**Asters.**—Sow the seeds where they are to stand, and thin out, transplanting the seedlings. No trouble will be had by damping off or mildewing, as when grown in the house or hot bed. This method I tested last season and had the best blooms, and just as early as when started in the house.

E. B.

Worcester Co., Mass., Jan. 11, 1900.

WHAT is home without a Rex Begonia? In almost every window, one sees the Rex which has a silver leaf, veined with red, and the under side deep red. It is generally called Rex, and I have never found any other name for it. It grows to immense proportions, and is very lovely.

But there are other Begonias which are handsomer. Speculata is a beauty. Its leaves are mottled green, and it has a thrifty habit, which makes of it a good sized plant in short order.

President Carnot is simply lovely. The leaves are green with irregular silver spots, as rich as silk velvet. Its mate, Mme. de Lesseps, is dark red spotted with silver. Two large, well-grown plants of these varieties would be the making of a window conservatory.

Metallica is an old favorite, with the crisp leaves, and a richness of growth which makes it generally well liked.

Begonias, with me, are never attacked with any pest. I give them a light, porous rich soil and good drainage. In the summer they have a sheltered corner on an east porch where they receive a little morning sun. I am very careful never to let water set upon the leaves. I spray them after sunset, once in a while, to freshen them, and keep them free from dust. In the winter I treat them, and keep them free from dust. In the winter I treat them in the same manner, and am particularly careful never to allow them to chill.

Georgina G. Smith.

Dubuque, Iowa.

**The Influence of Flowers.**—The Illinois house of correction is about to try an interesting experiment in the reformation of women criminals. Superintendent Sloan has built three large greenhouses covering a space of 4,000 square feet, in which it is intended to grow Roses, Carnations and Chrysanthemums for the Chicago Market. The women prisoners will work in the greenhouses under the direction of an expert horiculturist, and it is expected that contact with the growing plants will have a softening and regenerating effect on the hardened natures of the unhappy inmates.

Lizzie Mowen.

Allen Co., Ohio., March 6, 1900.

**Fertilizer.**—There are few plants that do not like something as a fertilizer, but tastes differ in flowers, as well as people. I use ammonia in winter, and I find most plants like it, but not in large quantities, or often. I now have quite a display of bloom, and feel well repaid for my labor and time.

M. D. S.

Pettis Co., Mo.

## HOW TO CHANGE THE COLOR OF PLANTS.

**T**HERE are any number of human beings in this world who do not acquiesce in the wonderful works of nature, and who are on the constant lookout to improve, if possible, some of her institutions. The question of how to color a Rose in order to counteract nature's obstinacy in not producing that flower with bluish hue has been a good parallel to the problem of the alchemists. For many years all sorts of coloring materials have been utilized, without any success though, for the dyes employed were usually of the aniline character, which is poisonous for all kinds of living plants. Ever since Alexander Dumas' immortalization of the black Tulip, attempts have been made, but without results, to produce such a quasi beautiful flower. In fact, all effects to alter the pigments of our familiar flowers have proved to be mere experiments, nor has anything definite been obtained beyond a queer looking discolored plant, more dead than alive. By the process of grafting, where nature was called in as an agent, the results of varying the hues and pigments were of a satisfactory order.

Roses of a black color were exhibited not long ago in London. The variety did not survive. It is more than likely that aniline mixture was the cause of the color, as well as the death. The Carnation lends itself readily to experiments in coloring. In Belgium, where that flower is regarded as a "national" institution, thousands of varieties are produced. In the coal mining regions it used to be of frequent occurrence that the home-coming laborers after washing, would use the water which contained the proof of their daily toil to sprinkle the ever present Carnations in their gardens. The fluid did marvellous work among these flowers, and is being used by scientific gardeners for experimental purposes.

There is no trouble to obtain all kinds of shades and colors on the cut plants, and when you buy a blue Carnation, or blue or red Lilies of the Valley, you wonder how such curiosities were raised. Well, they were not. The cut plants were dipped into a mixture of aniline, and the results thus obtained were not the faults of nature. Most recent, however, is the report that flowers can be colored during cultivation and without injury to the plant. Alum is one of the chemicals utilized with success. Iron, vitriol, and, in fact, the rust of nails, or iron filings, are all excellent materials in producing colors hitherto not seen.

New York, N. Y.

A Subscriber.

[NOTE.—In Mexico the fakirs offer spikes of Tuberoses of many shades of pink. They are doubtless produced by placing the cut stems in a colored fluid until a portion is imbibed sufficient to effect the odd coloring.—ED.]

## THE IMPROVED PETUNIAS.

**I** WISH that all the sisters could realize what a surprise is in store for them if they have never seen any of the new varieties of single Petunias. I planted the seeds in the house about the first of April. As soon as they had gotten three or four leaves on them we transplanted them to a larger box, setting them about an inch apart. In this they grew until they were about two inches high. In setting them out in an especially prepared bed, we dug a deep hole for each plant,



poured in a quantity of water, then put in about a half pint of fertilizer, made from manure that has been rotting for about five years, and was as fine as powder. We set out sixty-four plants, setting them deep. We then covered over and gave another water-

ing. They suffered no shock, although they had quite a hot sun the next day.

The descriptions in the catalogue had prepared us for something unusual, but not for such Petunias as we had. The largest of the Giants was over four feet high, and branched out in every direction, but the flowers on this variety were not so fine as on the single mammoth fringed variety. Such beautiful coloring and markings we have never seen. Many who came to see them pronounced them as fine as Gloxinias. We had a brilliant pink with a pea green throat and a dark, velvety maroon with a white throat, then a striped and a veined pink with a rich, deep, dark maroon throat and a light maroon with a ruffled green edge:

The pink of the new variety is not the pink of the old-fashioned common kind, but is more like the pink of a rose, and the texture of both leaves and flowers is heavy and thick, compared with the old kind. We never had a new plant that was so much admired as those Petunias were. Some of the finest kinds we lifted and brought into the house. They have been blooming ever since the last of February.

Alle. Co., Pa.

M. M. Galbraith.

**Perennial Phlox.**—Phlox can be rooted as easily as Verbenas, and as a perennial Phlox is a joy forever, then may it behoove us to slip it.

Georgina G. Smith.

Dubuque Co., Iowa.



## EXPERIENCE WITH PRIMROSES.

EVERY item on Primrose culture is eagerly read and thought over, for I am convinced that the Chinese Primrose is the plant that excels all others for winter bloom in the hands of the amateur. Last May I sowed one small paper of seed, from which I raised twenty-six plants up to the third and fourth leaf. I kept twelve for myself, which were planted in tin cans. The seeds were sown in a box of soil composed of rotten sods, leaf-mould and sand. The box lacked about one-half inch of being full. Rows were marked on the soil and the seed scattered as evenly as possible, and slightly covered, then a paper was folded to fit the top and laid on the earth, pressing down with my open hand, firming the dirt evenly over the box. The paper was then removed and the box covered with glass. I visited the box twice each day to see that it never got clear dry. I was very careful about watering to not disturb the seeds, nor get the earth too wet. The box was kept in a north bay window, which had one sash always raised. In due time the seeds came up, and then a fight commenced. The weather being very hot and dry the last one seemed to be determined to faint and fall over. The glass was removed, the soil slightly stirred with a toothpick, and thickly dusted with sulphur. Every time they needed watering, cold water right out of the well was used. When large enough to lift they were transferred right into quart tin cans.



I know that this is not the way you would recommend, Mr. Park, but being a farmer's wife, with a thousand things starting me in the face, waiting to be done I knew I never could get them repotted from one size to the other, as they would need it.

The surface soil was often stirred up around the stem, for they seemed determined to push clear out of the earth. About the middle of December they began to bud, and soon they were in full bloom, several different colors, all beautifully fringed, some solid colors; others spotted and variegated in a most beautiful way. At one time I counted twenty-two open flowers on one plant, and all had from three to six flower stems. They will stand more cold uninjured than any plant I ever saw. To-day, March 26, they are yet loaded with lovely bloom. Carmen Erle.

Ft. Recovery, Ohio.

## FACTS TO REMEMBER.

**C**LEMATIS make fine bedding plants; and when the roots are set thickly and the spaces filled up with Nasturtiums of contrasting colors a handsome bed is the result. When thus grown the Clematis can also be more easily covered and wintered.

When gloves are not worn vaseline or butter will remove the grime of dirt that still clings to the hands after washing.

When it is necessary to use wire netting about the flower beds it will not be so noticeable if iron rods one-fourth inch in diameter are used to support it instead of wooden stakes; and they will not only look better, but will last enough longer to pay.

It pays to buy only good seeds; over one-half of all the foreign seed novelties are worthless in this climate; lots of cheap Margaret Carnation seeds are now being offered for sale, while the genuine high-grade stock is scarce and high-priced.

Henderson's mixture for mildew is easily made and applied, and is reliable. Boil three pounds of sulphur and three pounds of lime in six gallons of water until it is reduced to two gallons. When settled bottle the clear liquid, and when wanted for use mix one gill of the liquid with five gallons of water, and syringe in the evening. Several applications may be necessary during the season.

Hardy plants, especially the hardy Roses, should be labeled while they are in bloom; and unless the labels are firm enough to withstand all weathers without fading mark the names and positions in that garden note book, so that the favorite bloomers may be known by their names.

Germantown, Pa.

P. W. H.

**Starting Seeds.**—I always have good success starting seeds. I take a small pot or cigar box, fill it with black, sandy soil, till about one eighth of the top; I then plant the seeds about an inch apart, wet thoroughly and set in a warm, dark room, or better, place it under the stove. Care must be taken to keep the soil moist.

Monna Co., Iowa.

M. S.

**Iris**—My row of Iris has given me much satisfaction this spring. I have had six kinds bloom and three more are budded. I had one bulb bloom last year all yellow; it was lovely. My Iris are planted against the stone foundation of the house on the west side and do well.

Mrs. M. A. Buckner.

Madison Co., Ill., May 19, 1900.

**Soot for Pæonies.**—I find soot excellent for Pæonies. Mine treated with it had enormous blossoms last spring.

Lincoln Co., Mich.

G. A. Johnson.

## A EUROPEAN TRIP.

## LETTER NO. 32.

After breakfast the morning train bound for Edinburgh was boarded, and again I was hurried over the ravines and among the ancient green Scotch hills. From Melrose to Edinburgh the landscape is not much broken—not so picturesque, as that through which I passed the previous day. The fields seemed more fertile and the climate milder. Large fields of Potatoes and Rutabagas were seen, and many fields of oats and wheat appeared. Groups of forest trees scattered here and there over the landscape, and winding, tree-lined rivers and streams, with here and there great, mound-like, heather-covered mountains, and in the distance mountain chains gave variety and charming beauty to the scenery. Beautiful hedges divided the fields and lined the sides of the broad, smooth, hard highways. A wild vine clambered over the hedge rows, evidently a species of *Vicia*, and decorated the foliage with its handsome lilac clusters of bloom. Along the railway were thickets of glowing Corn Poppies.

At 9.15 o'clock, A. M., we reach the city of Edinburgh, the "Athens of Scotland." It is very picturesque in appearance, embracing perhaps eight or ten square miles of territory, composed of hills, elevations, low-lands and deep ravines. The ravines are bridged over here and there for the convenience of the upper portions of the city. The population is more than 200,000. It is a place of schools and colleges, churches and charitable institutions, Courts of justice, prisons, etc., There are few manufactories. It is situated South of the Firth of Forth, and from the commanding points are magnificent views of water and landscape. There are many noted places of history here and many statues and monuments of interest.

The first and chief attraction is the Castle of Edinburgh, built upon a high, bold cliff, affording a natural defence. This, it is thought, was the origin of the city, the people occupying the low lands near by, and retreating to Castle rock in time of danger from enemies. Scott thus pictured this old city in 1808:

"Such dusky grandeur clothed the heights,  
Where the huge castle holds its state,  
And all the steep slope down,  
Whose ridgy back heaves to the sky,  
Piled deep and massy, close and high,  
Mine own romantic town."

Immediately after reaching the city I improved the time by a drive to some of the places of note. We passed the celebrated monument erected in memory of Sir Walter Scott, one in memory of Robert Burns, the Melville monument, the equestrian statues of Charles II and the Duke of Wellington, and stopped for a while at the St. Giles' Cathedral, the choir and pulpit of which are considered fine examples of the ecclesiastical architecture of the 15th century. The rotundas of this church are elegant, and the windows elaborate and beautiful. The walls are set with inscriptions in memory of noted historic personages. The old graveyard which formerly adjoined this church has been abandoned, and the city authorities appropriated it for street purposes, covering it over with cobble stones. It was in this yard that John Knox was buried, and the place is marked by a circular bronze tablet, perhaps a foot in diameter, containing the simple inscription "I. K. 1572." I made



TABLET OVER THE GRAVE OF  
JOHN KNOX EDINBURG.

a pencil sketch of the tablet which is herewith presented.

From the church I drove to the Castle of Edinburgh, previously mentioned. The oldest of the buildings, occupying the summit of the rock, is a small, oblong, stone building known as St. Margaret's Chapel, built during the 11th century. Near by are the ancient hall and remains of the royal palace. A little room with a small window is shown as the birth-place of James VI of Scotland, and James I of England. The old banquetting hall is ornamented with armor. From this castle we have a grand view of the city, and of water, fields and distant mountains.

From the Castle I went to Holyrood Palace, the noted abode of Scottish royalty. In the yard in front of the palace is a beautiful fountain, and at the rear, attached, is the ruins of the old abbey, used as a place of worship during the twelfth century. Portions of the original structure are still well preserved. The palace is a large structure, rather ordinary in appearance, and the rooms are of very ancient pattern. A small corner room is pointed out as the room where Queen Mary and her prime minister sat at tea, when the conspirators came in, murdered her advisor and dragged him out. A brownish spot in the old floor of another room is shown as a blood-stain where the murdered man lay. A noted room in the palace is the picture gallery, 150 feet long, the walls adorned with portraits of the ancient Scottish rulers, mostly mythical. This palace is noted as the abode of the Stuarts, as a place of occupation by Cromwell's army, 1650, as the abode of Charles X of France when in exile, 1799, and as a place of occupation by Queen Victoria and Prince Albert at different periods.

Leaving the palace I returned to the hotel, passing through the old narrow street in the ancient burgh of Canongate, and passing the house of the celebrated divine, John Knox, whose pure life was so closely identified with Scottish history. Of this I will speak in my next letter.

Geo. W. Park.

## CHILDREN'S CORNER.

Dear Mr. Park:—I was very much pleased with the flower seeds I received from you last year, and enjoy reading the Magazine. We live in the country. I am very fond of flowers, and Mamma has lots of flowers in the garden and many plants in the house. I like the Children's Corner, and hope this letter will not fall into the waste basket.

Maggie Blanchard (age 15).

Van Buren Co., Ia., Mar. 30, 1900.

Dear Mr. Park:—My oldest sister gets your Magazine, and I enjoy the Children's Corner. My sister loves to read the European Letters, and reads the Magazine before any other paper. I go one and a half miles to school, and am in the fifth grade. I have a little flower garden which did well last year, and I suppose will do better this year. My sister has a large flower garden and beautiful flowers every year.

Maggie Enderla.

York Co., Neb., March 27, 1900.

## MAGAZINE APPRECIATED.

Mr. Park:—Your Magazine has come to us for the past five years, and I do not believe I could keep house without it. Mrs. F. H. French.

Jackson Co., Iowa, Apr. 26, 1900.

Mr. Park:—I wish I could tell you how much appreciate your Magazine. It has taught me nearly all I know about the care and treatment of flowers. I have taken it since 1891, and have the volumes bound together for reference.

Washington Co., Kas.

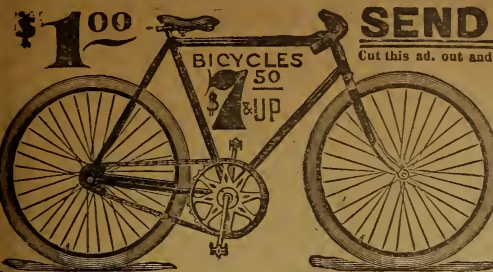
Mrs. E. Temple.

Mr. Park:—I think your Floral Magazine the best of its kind. It contains so much useful flor information.

A. H. Uhl.

Smith Co., Kansas, Mar. 16, 1900.





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Cut this ad. out and send to us, state whether you wish GENTS' OR LADIES' BICYCLE, also color and gear wanted, and we will send you this **HIGH GRADE 1900 MODEL**

**ACME JEWEL BICYCLE**, by express C.O.D. subject to examination. You can examine at your express office, and if found perfectly satisfactory, exactly as represented, the **MOST WONDERFUL VALUE** you ever saw or heard of, equal to bicycles that retail as high as \$40.00, if you think you can sell it at \$10.00 profit any day, pay the express agent **OUR SPECIAL PRICE, \$13.75**, less the \$1.00 sent with order, or \$12.75 and express charges. While our Special Bicycle Catalogue, mailed free for the asking, shows all bicycles below all other houses, stripped

bicycles at \$5.00, \$6.00, \$7.50, \$8.00 and \$9.00, the new 1900 Cincinnati complete at \$11.75, yet **OUR ACME JEWEL** at \$13.75 is by far the greatest bargain ever offered at the price. It is covered by a **BINDING GUARANTEE**, strictly high grade, latest of everything. Famous Belden Hanger, fine equipment. Guaranteed Pneumatic Tires, high grade Saddle, Pedals, Handle Bar, Tools and Toolbag. Enamelled black, green or maroon. IF YOU WANT ANY OTHER BICYCLE advertised in this paper or in any catalogue, write us and we will save you at least \$2.00 to \$10.00 on it. **YOU CAN MAKE \$500.00 THIS YEAR** selling this bicycle at \$25.00. Address, **SEARS, ROEBUCK & CO., (Inc.) Chicago.**

When answering the above advertisement please mention Park's Floral Magazine.

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You can earn this splendid Couch, 76x28 in., extra large, upholstered in three colored figured velours, tapestry or corduroy, best steel springs, deeply tufted, very heavy fringe, worth \$13 in any retail store, by selling only \$13 worth of our High Grade Toilet Soaps or Perfumes among your friends and neighbors at 25c per box or bottle. We trust you for the Soap and Perfume. Our handsome Illustrated Catalogue showing 150 other valuable premiums, including Bicycles, Watches, Cameras, Guitars, Rockers, Silverware, Tea Sets, etc. Sent Free. **Don't miss this wonderful offer. Write today.** **BULLOCK, WARD & CO., Dept. 24, Fifth Ave., Chicago.**

### CHILDREN'S CORNER.

Dear Mr. Park:—I am a little girl thirteen years old. Mamma is dead, but my aunt is staying with us now. She bought seeds and bulbs of you last year, and her order for this year's seeds is enclosed with this letter. I read the Children's Corner every month. I wish every paper had as nice a children's corner as Park's Magazine has. I love flowers, and am going to have a large bed of my own this year. **Tillie Metzcar.**  
Eaton Co., Mich., April 2, 1900.

Dear Mr. Park:—My father is a farmer, and we have 240 acres of land. Our school started the first of April. I go to school every day, and I read in the fifth reader. I am eleven years old. I have five brothers. I enjoy reading the Magazine. **Selma I. Fjelstad.**  
Dane Co., Wis., Apr. 2, 1900.

Dear Mr. Park:—Mamma said that she would not have thought to send for your little Magazine. She sent for it just to please me. She thought that it was a cheap thing, but now she has commenced to look at it, and sees a great many sensible things in it. I am eight years old, and have two brothers and two sisters. **Margaret Robie.**  
Cumberland Co., Maine, May 4, 1900.

Dear Mr. Park:—I am eleven years old. My aunt takes your Magazine. I like to read the Children's Corner very much. We live on a farm of twenty-five acres. We have two cows and two calves and three pigs and three horses. **Stella Morgan.**  
Vantown, Mich., April 25, 1900.

Dear Mr. Park:—I am a little girl fourteen years old. I have two sisters and one brother. My father is dead. I have a pet cat, a cow and a hen. We have a flower garden with Hyacinths, Anemones, Star of Bethlehem, etc., in it. There are many wild flowers here, and I like to gather them, and watch the bees and hear the little birds sing. **Effie B. Knight.**  
Wayne Co., N. C.

Dear Mr. Park:—I am a little girl ten years old. I enjoy the Children's Corner. Mamma has had your Magazine one year and likes it very much. She says we got of you were just lovely, and we are going to send for more. **Irene Mack.**  
Ionia Co., Mich., Mar. 27, 1900.

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Any lady answering this advertisement can get a handsome \$8.00 **SILK SHIRT WAIST ABSOLUTELY FREE.** We mean exactly what we say.

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our Publication **Women's Wear**, describing latest fashions in Silk Waists, and other articles of wear, together with our offer of an \$8.00 Silk Waist. This unusual inducement is made to more quickly introduce our goods, and if you want a Silk Waist free, be prompt. Address

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## PRESENTS



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if you live in Illinois, Indiana, Ohio, Michigan or Wisconsin. If you live in any other state send \$1.00. Cut this ad out and send to us, state whether you wish the stove to burn wood only, coal only, or both coal and wood. We will send you this big 325-lb., new 1900 pattern, high grade



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OUR  
BIG  
Free Stove Catalogue.

reservoir cook stove, by freight, C. O. D., subject to examination. Examine it at your freight depot, and if found perfectly satisfactory and the greatest bargain you ever saw or heard of, pay your freight agent **OUR SPECIAL PRICE, \$13.95**, (\$12.95 if you send \$1.00) and freight charges. The freight will average about \$1.00 for each 500 miles. This stove is size No. 8, oven is 16 1/2 x 18 x 11 inches, top is extra large, made from the best pig iron, extra large flues, heavy covers, heavy linings and grates, large oven shelf, heavy oven doors, handsome nickel plated ornate decorations and trimmings, extra large, deep, genuine Standish porcelain lined reservoir, handsome large ornamented base, best coal burner made, and we furnish free an extra wood grate, when ordered for both coal and wood, making it a perfect wood burner, or we will furnish it made specially for wood only. **WE ISSUE A BINDING GUARANTEE WITH EVERY STOVE and guarantee safe delivery to your railroad station. YOUR LOCAL DEALER WOULD CHARGE YOU \$25.00 FOR SUCH A STOVE.** Don't fail to write for our big free Stove Catalogue. Address,

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MENTION PARK'S FLORAL MAGAZINE

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## 4 FARMS FOR SALE

1 of 160 acres.—1 of 100 acres.—1 of 60 acres.—1 of 40 acres. Good rich, black, Prairie Soil. All great bargains. W. A. Clark, Crown Point, Lake Co., Indiana.

## "IS 'OO A-'DINNIN'?"

Once a small boy—a very small boy—talked busily to me, in the dark, while I listened, quietly smiling at his quaint speech. A sudden suspicion came to him, for I am a talkative body, and putting his hand up to my lips, he asked in his indescribably shy tone, "Mamma, is 'oo a-'dinnin'?" And often, as I read the opinions given in the Magazine by some erudite correspondent, I feel like saying "When you printed that, Mr. Park, wasn't you grinning?" Since seeing the good-natured phiz that graced the January number of the Magazine, I fancy I can almost hear the grins, sometimes! Surely, there was one when printing the communication of the Oregon sister who detests Tulips. I wish I had her here a few minutes. I'd make her go down on her knees in front of a row of brilliant mixed early Tulips to-day and beg their pardon, as they stand in the otherwise dull garden, a mass of glowing color, opening their very hearts to the April sun. Of course, one misses the delicious fragrance of the Hyacinth, and the grace of the Narcissus, but the dear, bright-faced Tulip has its own place to fill, and it fills it with such a sturdy good will and cheery countenance that it must be a strange nature indeed that can detest Tulips.

Emma B. French.

Gilliam Co., Ore., Apr. 28, 1900.

## QUESTIONS.

Milk and Wine Lily.—How shall I treat a Milk and Wine Lily with Success? The ends of the leaves on mine turn yellow, and it don't grow. Must they rest during the winter, or what?—G. A. P., Hudson Co., N. Y.

Cactus.—Why does my Christmas Cactus not bloom. It is thrifty. Last summer I kept it in a warm place and watered it but little, and it did not bloom.—M. Adams, Ills.

Azaleas.—How long are Azalea seeds in starting, and how old must seedlings be to bloom.—Mrs. R. S., N. Y.

Azalea.—I have had an Azalea two years, but it does not bloom. The leaves are falling off. Please suggest treatment.—Anna C. Mich.

Swainsonia.—I have a seedling Swainsonia which is very thrifty, but does not bloom. How shall I treat it?—Mrs. R., Ky.

## Book of Gold Mines Free!

A prominent Denver publisher who is familiar with every phase of life in Cripple Creek (Colorado) gold camp has just published a volume which he styles "Cripple Creek Illustrated." The book contains nearly 100 views of the big gold mines of the camp, a correct map, and in fact a world of information. Full reports of ore mined, dividends paid, etc. The edition costs \$1000 to issue.

To introduce his big illustrated weekly family paper (founded 1890) he will send you a copy of "Cripple Creek Illustrated" at his paper 18 weeks on trial for 25c. Clubs of 5, \$1. Stamp taken. Latest mining news and western stories. Mention of paper when you write and address, **ILLUSTRATED WEEKLY, Denver, Colorado.**



# FOR SALE.

## A VALUABLE FRUIT FARM.

**I** OFFER for sale a very desirable fruit farm situated a half mile north of Libonia, Pa., and less than half a mile from the village of Fannettsburg, Pa. It consists of 235 acres, sixty-five of which is timber land well set with thrifty forest trees—white-oak, red-oak, black-oak, hickory, chestnut, pine, etc., the balance, 170 acres, cleared and under cultivation. There are two apple orchards of large trees, choice fruit, a young orchard of Ben Davis apples, 1,000 trees, which will yield a paying crop of fruit in two or three years, and a quince orchard of 900 trees, which were this year covered with bloom, and will yield a crop, as the quince is rarely affected by frost. There are many large cherry trees growing spontaneously upon the place, some spreading trees, thirty or more feet high. Also pears, peaches, grapes, etc. The land is gravelly, well drained, and slopes toward the east. All kinds of fruit trees thrive marvellously upon it, and it is naturally protected from the cold, so that crops rarely fail from frost, and can be depended upon when most of the fruit districts are barren.

The improvements consist of a new, conveniently-arranged two-story house, containing seven rooms and an out-kitchen, tastefully painted inside and out, with a large, well-lighted, frost-proof cellar, and a cistern at the door, also a well of good water. The house is centrally situated upon an elevation, commanding a view from all sides of a beautiful landscape, embracing rich green fields and orchards, with farm houses and village, and a background of glorious mountain scenery. Convenient to the house is a large bank barn in good repair, containing two close barn floors, two mows, granary, wagon shed, lofts, and four large stables, with rooms for feeding. There are also outbuildings, such as carriage house, chicken house, hog pens, etc., all of modern build. On one corner of the place are situated two two-story houses for workmen, one recently built and well painted. The place is watered by three, never-failing wells with pumps, at house and barn and tenant houses, a flowing well in the fields, and a sinking mountain stream which is always active. The line fences are mostly of improved woven wire, new, with locust posts which will last for a generation, and other fences are newly-set post-and-rail and worm fence. The place is convenient to churches, schools, stores and shops, and is surrounded by neighborly people. To anyone who wants to raise fruit for the eastern markets, and have a delightful rural home this property offers special advantages. and it will be sold at a very moderate price, and upon terms to suit the purchaser. It will be sold soon, and anyone who thinks favorably of it, should correspond promptly with the undersigned, who will answer all questions concerning it fully and satisfactorily.

## ANOTHER RESIDENCE.

I also offer for sale a handsome residence at Libonia, with four acres of land well set with apple, quince, cherry, peach, plum and pear trees, choice varieties, in full bearing condition. The grounds are ornamented with groups of choice shrubbery, herbaceous plants, etc., and are supplied with water from a flowing well. The house is in good repair, contains nine rooms and large cellar, and has a cistern at the kitchen door. There are stables, out-houses, sheds, and all conveniences for a pleasant rural home. The garden has blackberries, raspberries, strawberries, currants, gooseberries, etc., in bearing, sufficient to supply the family table. This property will also be sold at a moderate price, and upon terms to suit the purchaser. Address

**GEO. W. PARK, Libonia, Franklin Co., Pa.**

### CORRESPONDENCE.

Mr. Park:—My daughter has taken your Magazine for several years and I find it a great help in caring for my plants and enjoy reading it very much as I do every thing about flowers, which I dearly love. I herewith send you a small order for seeds. It seems to me that I have better success with the seeds procured of you than with seeds from some other dealers. I hope to raise a fine lot of plants from the seeds I procure of you. I thank you very kindly for the catalogue and the many helpful hints in the Floral Magazine.

Mrs. F. Burnham.

Malaga, Fresno Co., Cal.

Mr. Park:—I want to thank you for those plants that you sent me as a premium. They never seemed to mind the change at all, but kept right on growing and are looking fine. Your Magazine is certainly the best and most practical for an amateur flower grower I have ever seen, and I have taken two others for several years. I am now reading last year's numbers over again, and taking notes.

Mrs. M. P. Lower.

Fillmore Co., Minn., May 11, 1900.

Mr. Park:—Your Floral Magazine comes regularly, and I look anxiously for it, as I find it interesting from cover to cover. I wish it every success, for it has been a great help to me. I never had such fine plants as at present. It is fast approaching four years since I left my room, and only those in my condition can understand how anxiously I watch every little plant of my window garden, which is all that I can have.

Arthur Dearden.

133 L. St., South Boston, Mass.

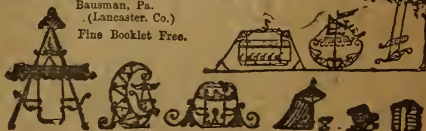


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Ventilators at 3c each. Send name and address  
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and send us the money and select your premium  
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ON PARK'S FLORAL MAGAZINE



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Ready Mixed Paints, all colors. Guaranteed  
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for ladies' use in office, store or  
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pair, Post free. Ladies' Rubber  
Gardening Mitts 30c. pair, Post  
free. South Western Novelty Co.,  
P. O. Box 863, St. Louis, Mo.

## PLAYS

Dialogues, Speakers, Amusement  
Books. Catalog free. T. S. DENISON,  
Publisher, Dept. 16, CHICAGO.

## Very Choice Plants.

*Imantophyllum miniatum*.—I can supply  
fine large plants of this rare and regal bulbous flower  
now at 60 cents each, by mail, postpaid. They are of  
blooming size, and were secured at a bargain, other-  
wise could not be offered at so low a price. A house  
plant of easy culture.

*New Yellow Calla*.—I have also fine blooming-  
size tubers of the New Yellow Calla Lily, *Richardia*  
*hastata*, which I offer at 30 cents each. This is the  
species about which so much has recently been said  
in Europe. It is sasily grown, and deserves the high  
praise it has received.

One plant of each of the above will be mailed for  
only 75 cents. This is a bargain. I have but a limited  
supply, and when that is exhausted I shall have to re-  
turn the money sent for these plants. Order at once.

GEO. W. PARK, Libonia, Pa.

## CORRESPONDENCE.

Dear Editor:—Methinks Mrs. E. R. U. will find  
she has stirred up a hornet's nest in her open de-  
testation of the Tulip. We who love them, will  
not stand patiently under their malignment.  
Many will feel a thirst for vengeance who do not  
voice their sentiments on paper. Certain it is  
that they are scentless and some of them are  
gaudy, but there are many that are as delicately  
colored and as regular in form as the Rose. Dainty,  
sea-shell pinks, soft lavenders and pure, snowy  
whites. At Christmas time our ever thoughtful  
Editor sent me a package of these "detested"  
bulbs. They were thankfully received and hold  
a place of honor in my heart and garden. I not  
only watch with an ever increasing interest my  
own Tulip bed, and that of my neighbor. Not  
on the line of coveting, because all may feast the  
eye without breaking or mutilating the object,  
which must be the case if one sees only the  
odor of a flower. Perfume is cheap and we can  
obtain it by the ounce, labled to suit our fancy.  
Mrs. E. R. U. has, doubtless, good reasons for her  
dislike. Perchance she saw them when their  
gaity jarred upon a heart saddened by trouble  
and anxiety. Or may be they recall past sorrows  
that she would fain forget. Let us hope that  
sometime she will look upon them in a more tol-  
erant spirit, remembering that the same hand  
fashioned the fragrant Rose, the lovely, dainty  
Violet and the bright, gay Tulip one and all a  
messenger of hope.

Lily Ely Little.

Chenango Co., N. Y.

Dear Mr. Park:—As you are never too busy to  
hear a word of praise or listen to a complaint  
from your patrons, I wish to thank you for the  
many good things we find in the Magazine, and  
especially for the portrait in the January number.  
The face is that of a younger man than I expected,  
as it seems so long since I first saw Geo. W.  
Park's advertisement in the public newspapers.  
Of all floral magazines (and I have had five) I  
like Park's best, as I do not need to read so much  
to get what I want.

C. Shull.

Clark Co., O., April 3, 1900.

Black Calla.—Will someone who has been suc-  
cessful with the Black Calla please give treatment.  
Does it bloom in summer or winter, and when  
should it be rested?—C. J., Ohio.

## BINDER TWINE AT LOW PRICES.

If you want a special inside price on binder  
twine, either Sisal, Standard or Manila, cut this  
notice out and mail to SEARS, ROEBUCK & Co.  
(Binder Twine Department), Chicago, stating  
about how much twine you will require and how  
soon you will want it, and they will save you  
money by quoting you a price that will either  
secure your order or compel the party who sup-  
plies you to sell to you at a lower price than he  
otherwise would.

Boston Fern.—I have fine plants of this grand window  
plant. It is listed among the premium plants.  
*Lygodium scandens*.—This is a climbing Fern of  
easy culture. It is not listed but can be supplied.  
*Clematis paniculata*.—This lovely autumn vine was  
omitted in making out the premium plant list. It  
is hardy and bears a profusion of white, fragrant  
flowers.



We furnish samples free to agents.  
F. S. Frost, Lubec, Me., sold \$132.79, retail in 6  
days. Write for Catalog, new goods, rapid sellers.  
RICHARDSON MFG. CO., 2nd St., Bath, N. Y.

ICE CREAM etc., frozen without ice or  
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We will divide this month \$1000 among those who arrange correctly these eight groups of letters into the names of eight states. For example: SAKRANAS, is Arkansas. Can you solve the rest? If so you will get a cash prize. For instance, if ten correct answers are received each receives \$100. If twenty correct answers are received, each receives \$50 and so on. We have no conditions or requests to make or any work to secure cash present. It is only necessary to enclose 25 cents with answer for yearly subscription as we want the prizes awarded to subscribers only and will spend the entire amount of cash received from subscriptions in additional presents to contestants which shows our object is not a money making scheme but an idea to advertise our well known **HOUSEHOLD JOURNAL**, established twelve years ago.

**Extra Presents.**—In case you can't name all the States we will give every contestant a present valued at \$20 who names over four States correctly, so you are sure of a reward. Don't be discouraged by other attempts. You are now dealing with honest publishers of financial standing and reputation. Write today as cash prize awaits you.

Address **HOUSEHOLD JOURNAL PUBLISHING CO., PHILADELPHIA, PENNA.**

When answering this advertisement please mention Park's Floral Magazine.

## A GOOD AFTERNOON'S WORK.

Come, busy housewives! let us take our rake and trowel and spend an afternoon in the flower garden. No doubt you have been planning for this in many odd moments. Let us hasten to put our ideas into execution.

The border first demands our attention. It is the best place for perennials, being out of the way, so they may remain undisturbed year after year.

Let us depart from the usual custom of straight rows, and have the inner edge in scallops or points, placing tall plants (Lilies, Perennial Phlox, Golden Glow, etc.) in widest places, and those of smaller growth between such as Dianthus and Perennial Poppies. Sweet Alyssum will make a dainty edging. Between the clumps and among the early bloomers will be the place for the many annuals. The back part of the border must serve as a background for the whole garden. Why not place the new fringed Holly-hock here?

Vines in profusion give a graceful air to the surroundings. Cinnamon Vine, Clematis, Honey-suckle and Japanese Hop will cover the fence nicely. A hardy Moonflower planted at the window will bloom every day until the sun finds it.

Now if the "gude mon" will sink two small ten-foot posts in the ground, with a cross piece at the top, we may swing a piece of wide wire netting over it and fasten down each end two feet from the posts. Vines of many varieties will climb the netting, and in a few weeks we shall have a pretty summer house in which to place many shade-loving plants. One in the form of an Indian wigwam would also have a charming effect. The vines will meet at the top, and form graceful festoons about it.

For the main body of the garden we may have three circular beds—two side by side and one smaller in front. Let us make these the "crowning glory" of the garden. In the two large beds plant Zanzibarenis for a center, with a row of tallest Cannas about it. Then a row of Dwarf Cannas or Dahlias, with Geraniums next. California Poppies will make a gorgeous border. The small bed in front must have low-growing plants to not obstruct the view of those in the rear. Scarlet Salvia edged with double white Petunias will do nicely.

Now that we have our garden planted let us not forget that "eternal vigilance is the price of success" applies to flower growers—We must keep the soil well stirred and free from weeds. Before the hot days of July come our plants should be mulched with stable litter; this serves as a fertilizer and drouth resister.

Riley Co., Kas., Apr. 5, 1900. Mrs. C. R. S.

## 4 BUGGY WHEELS \$6.90

HIGH GRADE, SARVEN'S PATENT, tired and banded, height 3 ft. 4 in., 3 ft 8 in. or 4 ft. Spokes 1 1/2, or 1 1/4 inch. For any other sizes send for catalogue. Cut this ad. out and send to us with ONE DOLLAR, state size wheel wanted and we will send them by freight C. O. D. EXAMINE THEM at your freight depot and then pay freight agent balance, \$5.90 and freight charges.

**SEARS, ROEBUCK & CO., Chicago.**



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**DO YOU WANT A WATCH** that runs & keeps good time. This watch has a **SOLID GOLD** laid case, handsome dial dust proof, adjusted to position, patent escapement, and highly finished. This is a remarkable watch. We guarantee it, and with proper care it should wear and give satisfaction for 20 years. It has the appearance of a **SOLID GOLD** one. The watch is accompanied with a **20 YEAR GUARANTEE**. The cases are beautifully made by the most skilled workmen. The movement is an **AMERICAN STYLE**, expansion balance, quick train, and you can rely upon it that when you own one of these truly handsome watches, you will at all times have the correct time in your possession. Do you want a watch of this character? If so, now is your opportunity to secure one. **WE GIVE IT FREE** as a premium to anyone for selling 18 pieces of our handsome jewelry, for 10c. each (each set with an exquisite jewel), Regular price 25c. each. Simply send your name and address and we will send you the 18 pieces of jewelry for the \$1.80, and we will send you the handsome watch. We trust you and will take back all you cannot sell. We propose to give away these watches simply to advertise our business. No catch-words in this advertisement. We mean just what we say and allow a cash commission if preferred. You require no capital while working for us. Address, **SAFE WATCH CO., P. O. Box 180, New York.**

MENTION PARK'S FLORAL MAGAZINE

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and how to get it is told in **GLEANINGS IN BEE CULTURE**, a handsome illustrated semi-monthly magazine, employing the best experts on the subject. Sample and valuable book on Bees and Bee Keepers' Supplies free to all who mention this paper. **The A. I. Root Co. Medina, O.**

**DON'T SET HENS** THE SAME OLD WAY.  
THE NAT'L HEN INCUBATOR beats old plan \$to 1. Little in price but big money maker. Agts. wanted. Send for cat. telling how to get one free.  
Natural Hen Incubator Co., D 56 Columbus, Neb.  
A. Edwards writes: 'would not take \$100 for N.H.I. Plan.'

**BOOKLET** on house plants **FREE** absolutely  
Send address to **A. W. P. & Co., Rutland, Vt.**

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Mrs. M. E. Patterson, Glendale, Cal.

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# All for Twenty-five Cents.

**MAGAZINE One Year and 6 Premium Plants, Mailed, Prepaid, 25 Cents, Safe Delivery Guaranteed. 25 Plants and MAGAZINE, \$1.00.**

My Greenhouses are now filled with good, well-rooted healthy plants of a great assortment, suitable for either house or garden. The following is a list of the kinds of which I have a fine stock. I deliver these plants by mail, carefully packed and guaranteed to reach you safely. Six plants 25 cents, 12 plants 50 cents, 25 plants \$1.00, one plant of a kind, a yearly subscription to the **FLORAL MAGAZINE** included. Pick them out now and select some substitutes to use in case of shortage of any kinds selected. Don't wait. The list will be somewhat changed next month. Speak to your friends and get up a club.



**BLOOMING PLANT OF THE NEW RUELLIA MAKOYANA.**

**Abelia**, Chinese shrub.  
**Abutilon**, Anna, veined.  
**Mesopotamiae** m, trailing.  
**Savitzii**.  
**Souv. de Bonn**.  
Other choice named sorts.

**Note**.—**Souv. de Bonn**, is a beautiful ornamental-leaved plant, worthy of a place in every collection.

**Acacia lophantha**,  
**Acalypha Macaenseana**.  
**Sanderiana**.

**Note**.—**Acalypha Macaenseana** is a beautiful variegated plant, the leaves being splashed and marked as the forest trees in autumn. It is easily grown, distinct, and a very satisfactory pot plant.

**Achania malvaviscus**, red.  
**Achimenes**, large purple.

**Note**.—**Achimenes** are lovely Gesneraceous plants, useful for either pots, vases or baskets. The flowers are large, delicate, waxy and showy, and are freely and continuously produced during summer.

**Achyranthus**, red or yellow.  
**Lindeni**, red foliage.

**Agathaea**, Blue Paris Daisy.  
**Ageratum**, blue or white.  
**Ampelopsis quinquefolia**.  
**Allamanda Hendersonii**.

**Aloe vera**, succulent.  
**Aloysia citriodora**.  
**Althea**, double; in sorts.  
**Alyssum**, double, white.

**Note**.—The double **Alyssum** is much superior to the single-flowered, and is a grand edging or basket plant, always in bloom. It is easily started from branches, and from one plant you can soon have a fine stock. In a cool room it is unsurpassed as a winter-blooming plant. For this purpose start the branches in August, and pinch back to make bushy plants.

**Anemone Japonica alba**.

**St Brigid**.  
**Fulgens**, scarlet.  
**Helena Maria**.

**Japonica rubra**.  
**Pennsylvanica**, white.

**Anisophylla goldfussia**.  
**Anthemis**, Chamomile.  
**Anthericum vittatum** variegatum.

**Aquilegia canadensis**.  
**Chrysanth**, yellow.

**Glandulosa**, red.  
**Cerulea**, blue.

**Artillery Plant**, fine foliage.  
**Arabis alpina**, fine edging.

**Aralia Sieboldii**.  
**Asclepias tuberosa**.  
**Asparagus Sprengeri**.

**Aubrietia Eyrii**.

**Begonia alba picta**.  
**Argentea guttata**.  
**Carrieri**.  
**Compta**.  
**Decora**.  
**Diadema**.  
**Foliosa**.  
**Feasti** (Beef Steak)  
**Fuchsoides coccinea**.  
**Metalia**.

**Multiflora hybrida**  
**M. de Lesseps**.  
**Queen of Bedders**.  
**Pres. Carnot**.  
**Rex**, in variety.  
**Sandersonii**.  
**Sanguinea**.  
**Semperflorens rosea**.  
**Souv. de Pres. Guillaume**.  
**Speculata**.  
**Thurstonii**.  
**Vittata alba**.  
**Weltoniensis**, white.

“ Red.  
“ Cut-leaved.

**Begonia**, Tuberous.

**Giant Red**.  
“ Rose.  
“ Yellow.  
“ Scarlet.  
“ White.

**Bryophyllum calycinum**.

**Bergamot**, scarlet **Monarda**.  
White-flowered.  
**Bougainvillea glabra** San deriana.  
**Buxus sempervivum**.

**Caladium esculentum**.  
**California Privet**.  
**Callirhoe involucrata**.  
**Calla Lily**, Fragrant.  
**Little Gem**.  
**Spotted-leaved**.  
White.

**Canna**, in sorts.  
**Calystegia pubescens**.  
**Cape Jasmine**.

**Note**.—The **Cape Jasmine** is a lovely evergreen shrub, fine for pots at the North or the yard in the South. The flowers are large, creamy white, double, waxy and deliciously scented, easily grown.

**Carnation Flora Hill**.  
**Early Vienna** fl. pl.  
**Marguerite**, mixed.  
**Portia**.

**Lizzie McGowan**.  
**Carnation Grenadin** fl. pl.  
**Wm. Scott**.  
**Carex Japonica**.  
**Centrosema grandiflora**.  
**Cestrum parqui**.  
**Laurifolium**.



*Chelone barbata*.  
*Chrysanthemum* in variety.  
 Miller's Crimson, hardy.  
*Cicuta Maculata*.  
 Cinnamon Vine.  
*Cissus heterophylla*, hardy.  
 Discolor, tender.  
*Claytonia Virginica*.  
*Clematis Virginiana*.  
*Clerodendron Balfourii*.  
*Cobaea scandens*.  
*Coccoloba platyclada*.  
*Coleus*, Fancy-leaved.

NOTE.—Leopard, a new Fancy *Coleus* is a grand foliage plant for the window. Every leaf is as gorgeous as a flower, and the plant well-grown is marvellously beautiful. It should be in every plant window.

*Convolvulus Mauritanicus*.  
*Ceropegia lanceolata*.  
*Coronilla glauca*.  
*Crassula cordata*, winter-bloomer.  
*Cuphea plantycentra*.

NOTE.—*Cuphea plantycentra* is one bedded out, bearing a mass of the glowing little "segar-like" flowers, blooming all season. It thrives in any sunny place. As a pot plant for winter-blooming it is also valuable.

*Cyclamen Persicum*.  
*Cyperus alternifolius*.  
*Dahlia*, named, any color.  
 Matchless, dark brown.  
 Ernest Glasse, rich magenta.

Miss Pease, white.  
 Snowball, white.  
 Fern-leaf Beauty, striped.  
 May Hillier.  
 Fire King, fiery red.  
 A. D. Lavoni, solid pink.  
 Jaurezi, rich scarlet.  
 Lady Penzance.  
 Queen Victoria, yellow.  
 Quaker Lady, variable.  
 Jewel, pink.

*Deutzia gracilis*, shrub.  
*Crenata* fl. pl.  
 Pride of Bochester.  
*Dielytra spectabilis*.  
 Eximia.

Double Daisy, Ball of Snow.  
 Longfellow, pink.  
 Elecampane (Inula).  
*Eranthemum pulchellum*.  
*Eulalia zebрина*.  
*Euonymus Japonica aurea*.  
 Variegata, hardy.  
*Eupatorium riparium*.  
*Euphorbia splendens*.  
*Fabiana imbricata*.  
 Fern, hardy, in variety.  
 Fern tender in variety.  
 Boston Fern.

*Ficus repens*, for walls.  
*Forsythia viridissima*.  
 Suspensa, slender.  
*Fuchsia*, Black Prince.  
*Arabella Improved*.  
 Dr. Tapinard.

Mrs. E. G. Hill.  
 Oriflamme.  
 Phenomenal.  
 Procumbens.

*Speciosa*, winter-bloomer.  
 Elm City.  
 Little Prince.  
*Funkia variegata*.  
*Gallardia grandiflora*.  
*Gardenia*, Cape Jasmine.  
*Gentiana Andrewsii*.  
*Geranium*, Single, Double,  
 Scented, Bronze, Ivy-  
 leaved, in sorts.  
*Gesneria*, fancy.  
 Plain-leaved.

NOTE.—I have just received from a Holland specialist fine bulbs of both the plain and fancy-leaved *Gesnerias*. These are easily grown, and rare and

beautiful window plants. The fancy-leaved sorts are rich and velvety, and the plain-leaved bear beautiful flowers. It is not an easy matter to secure these bulbs in this country, and I trust those who care for them will select them now, while I can supply them.

*Geum coccineum* fl. pl.  
*Glechoma variegata*.  
*Gloxinia*, White.  
 Blue.  
 Red.  
 Spotted.

Golden Glow, (Rudbeckia.)  
 NOTE.—This is one of the most desirable perennials of recent introduction. The plants grow from three to six feet high, with handsomely cut leaves and glowing masses of golden double flowers. It is perfectly hardy and will grow in any rich soil.

Golden Rod.  
*Goydera pubescens*.  
*Grevillea robusta*.  
*Habrothamnus elegans*.  
*Hellanthus tuberosum*.  
*Heliotrope* in variety.  
*Hemerocallis fulva*.  
 Flava, Lemon Lily.  
 Kwamso, Double.

NOTE.—*Hemerocallis flava* is the Lemon Lily, a very beautiful perennal with clusters of superb, fragrant, Lily like flowers in clusters. It should be generally cultivated.

*Hepatica triloba*.  
*Heterocentron*, white.  
*Hibiscus*, Chinese, choice named, great variety.  
*Syriscus* (Althea).  
 Crimson Eye, hardy.

NOTE.—I have fine plants of the elegant Chinese *Hibiscus* in choice named sorts. They bloom well all summer either in pots or beds. The plants are shrubs, hardy in the South, but must be protected at the North.

Hollyhock, double, to color.  
 Honeysuckle, Hall's hardy.  
 Gold-leaved.

NOTE.—Hall's Honeysuckle is a grand, hardy evergreen vine, used for a hedge, and a good plant for pillars. The foliage is dense and handsome, while the flowers are white and yellow, in profusion summer and autumn, and very sweet.

*Houstonia cœrulea*.  
*Hydrangea Hortensis*.  
 Paniculata.  
*Hypericum moserianum*.

*Impatiens Sultana*, carmine.  
 Bright Pink.  
 Rich Salmon.

*Iris*, Kamperi, mixed.  
 Germanica, mixed.  
 Dwarf, for edging.

NOTE.—*Iris Kamperi* likes a moist soil, and is a hardy herbaceous plant of great beauty. The flowers are large and showy and of many rich colors.

*Isolepis gracilis*, grass.  
 Ivy, German or Parlor.  
 English, hardy.

"variegated".  
 Kenilworth, for baskets.

*Jasminum gracilinum*.  
 Grand Duke.  
 Grandiflorum.  
 Nudiflorum.  
 Officialis.  
*Justicia carnea*, pink.  
 Coccinea red.  
 Sanguinea.

NOTE.—The *Justicias* offered are lovely pot plants, sure to bloom in winter when properly

cared for. The flowers are very showy in color, and appear in large clusters. The plants are of the easiest culture.

Kenilworth Ivy.  
 Kerria Japonica.  
 Lantana, white, pink, yellow.  
 Don Calmet, or Weeping.

NOTE.—New Weeping is slender, and an elegant winter-blooming trellis or basket plant.

Lavender, fragrant.  
*Leonotis leonurus*.  
*Leucanthemum maximum*.  
*Libonia penrhosiensis*.  
*Linum perenne*, white and blue.

Lobelia, Royal Purple.  
 Barnard's Perpetual.

*Lopesia rosea*.  
*Lophospermum saundersi*.  
*Lysimachia nummularia*.  
 Mackaya bella.

Madeira Vine, started.  
 Mahernia odorata.  
 Malva moschata alba.

Manettia cordifolia, rare.  
 Mandevilla suaveolens.  
 Marguerite Daisy.

Matrimony Vine, hardy.  
*Matricaria capensis* alba.  
*Mesembryanthemum spectabile* (grandiflorum).

Mexican Primrose.  
 Meyenia erecta.  
 Michauxia campanulata.

*Mimulus Cupreus* brilliant.  
 Moschatus.

Mint, variegated, hardy.  
 Mitchellia repens.  
 Monarda didyma, white.

Moneywort, for baskets.  
 Montbretia crocosmiflora.  
*Muhlenbeckia compacta*.  
 Myosotis alpestris victoria.

*Myrtus communis*.

*Nægelia*, mixed.

NOTE.—I have heretofore been unable to offer these superb Gesneraceous bulbs. They are scarce and I advise those who wish to try them to secure the bulbs when they are offered.

*Nicotiana*, Jasmine-scented.  
 Sylvestris, sweet, new.  
 "Old Bachelor," scented.

"Old Man," scented, hardy.  
 "Old Woman," scented.  
 Oleander in variety.

Golden Star, yellow.  
 Oxalis arborea.  
 Othonna crassifolia.

*Panicum variegatum*.  
 NOTE.—*Panicum variegatum* is an elegant striped grass for baskets, trailing and hanging gracefully. The leaves are well marked with pink and green and white. It is of easy culture.

*Passiflora Scarlet Hybrid*.  
*Peperomia maculosa*.  
 Arifolia, new.

*Peristrophe ang. variegata*.  
 NOTE.—One of the finest variegated winter plants; flowers carmine; sure to bloom.

*Petunia*, double, fringed.  
 Perennial Pea, White and Red, hardy vines.

*Phalaris arundinacea*.  
*Philadelphus grandiflorus*.  
 Phlox, perennial, Snowball.

Boule de Feu, flame-color.  
 Maculata, red.

Pine-apple Geranium (Salvia robusta).  
 Pink, Cyclops.

Old-fashioned.  
 Picotee, mixed.  
 Her Majesty, white.

Plumbago, capensis alba.

NOTE.—Plumbago capensis alba is a pot shrub bearing great clusters of Phlox-like flowers.

Cut the branches back occasionally to stimulate new growth and bloom. It is in bloom throughout the summer.

Pomegranate, Jas. Vick.  
 Poppy orientale.  
 Pottosporum tobira.  
 Primula Forbesi.

Veris, gold-laced.  
 Obconica.  
 Sieboldii.

*Ranunculus acris* fl. pl.  
*Aconitifolus* fl. pl.  
*Rivinia humilis*.

Rocket, Sweet.  
 Rose, in variety.  
 Rudbeckia laciniata fl. pl.

*Ruellia formosa*.

Makoyana.

NOTE.—*Ruellia Makoyana* is a new plant for the window garden, beautiful in both foliage and flowers. Many persons who have tried this flower report great success and satisfaction with it.

*Russelia juncea*.  
 Elegantissima, new.  
*Sagittaria variabilis*.

*Salvia splendens*, scarlet.  
 New Scarlet.  
 Patens, blue.

*Rutilans*, new.  
*Sanguinea canadensis*.  
*Saxifraga sarmentosa*.

*Scutellaria pulchella*.  
*Sansevieria Zeylanica*.

NOTE.—*Sansevieria Zeylanica* is a succulent plant with erect, zebra-barred leaves. It is a fine window plant.

*Sedum*, hardy, yellow.  
*Sedum*, for baskets.

"Acre," "Crownfoot."  
 Maximowiczii, hardy.  
 Selaginella, moss-like.

*Sempervivum*, hardy.  
*Senecio macroglossis*.

Pesitases, yellow, winter bloomer.  
 Smilax, Boston.

*Solanum Dulcamara*, vine.  
 Grandiflorum.  
 Pseudo capsicum.

*Scutellaria pulchella*.  
 Spirea, Van Houtte.  
 Anthony Waterer.

*Prunifolia*.  
 Reevesii.  
 Stevia serrata.

*Strobilanthes Dyerianus*.  
 Anisophyllus.  
 Swainsonia alba.

Sweet William, in sorts.  
 Double white.  
 Double scarlet.

Dunett's Crimson.  
 Checked.

Thyme, variegated.  
*Tradescantia variegata*.  
 Trailing Arbutus.

Tuberose, Double.  
*Tunica saxifraga*.  
 Tydaea, mixed.

NOTE.—Tydaea, like Achimenes, are Gesneraceous plants of great beauty. They are as easily grown as Achimenes, and will give unbounded satisfaction. The flowers are of various colors.

*Verbena*, hardy purple.  
*Veronica imperialis*.  
 Spicata.

Vinca, Hardy Blue.  
 Harrisonii, marbled.  
 Rosea, rose.

Rosea alba, white.  
 Viola, English Violas.  
 Lady Helen Campbell.

Water Hyacinth.  
 Weeping Willow.  
*Weigela rosea floribunda*.  
*Yucca filamentosa*.  
 Zephyranthus.

Both MAGAZINE and plants are sure to please. If already a subscriber send MAGAZINE as a present to some friend, or you may select an extra plant. Club with a neighbor, ordering two copies (50 cents), and get an extra plant free. Only one plant of a kind allowed in each order. Name some substitutes to be used in case stock of any kind becomes exhausted. At present all the plants listed here can be supplied. Address

GEO. W. PARK, Libonia, Franklin Co., Pa.

# FREE

## A NEW CURE FOR KIDNEY AND BLADDER

### Diseases, Rheumatism, etc.

Disorders of the Kidneys and Bladder cause Bright's Disease, Rheumatism, Gravel, Pain in the Back, Bladder Disorders, difficult or too frequent passing water, Dropsy, etc. For these diseases a Positive Specific Cure is found in a new botanical discovery, the wonderful Kava-Kava Shrub, called by botanists the *piper methysticum*, from the Ganges River, East India. It has the extraordinary record of 1,200 hospital cures in 30 days. It acts directly on the Kidneys, and cures by draining out of the blood the poisonous Uric Acid, Lithates, etc., which cause the disease.

Rev. John H. Watson, testifies in the *New York World*, that it has saved him from the edge of the grave when dying of Kidney disease and terrible suffering when passing water. Mr. Calvin G. Bliss, North Brookfield, Mass., testifies to his cure of long-standing Rheumatism. Mr. Jos. Whitten, of Wolfboro, N. H., at the age of eighty-five, writes of his cure of Dropsy and swelling of the feet, Kidney disorder and Urinary difficulty. Many ladies, including Mrs. C. C. Fowler, Locktown, N. J., and Mrs. Sarah Sharp, Montclair, Ind., also testify to its wonderful curative power in Kidney and allied disorders peculiar to womanhood.

That you may judge of the value of this Great Discovery for yourself, we will send you one Large Case by mail Free, only asking that when cured yourself you will recommend it to others. It is a Sure Specific and cannot fail. Address, The Church Kidney Cure Company, 487 Fourth Ave., New York.

MENTION PARK'S FLORAL MAGAZINE



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P. O. Box 917.

Prov., R. I.

**WE PAY \$18 a week** and expenses to men with rigs to introduce our Poultry Compound. Send stamp. Javelle Mfg. Co., Dept. 72, Parsons, Kansas.

## CORRESPONDENCE.

Mr. Park:—The Flower and Vegetable seeds I received from you grew splendidly. I have never had seeds to do better. Mrs. Jos. Richter,

Kearney, Neb., Aug. 24, 1899.

Oxalis Boweii.—The Oxalis Boweii I received as a premium three years ago is just grand.

Mrs. E. F. Huggins,

Tulare City, Cal., Jan. 8, 1900.

Mr. Park:—I send you to-day a list of 25 yearly subscribers to the Floral Magazine. I had no trouble in getting up the list. I got nearly all in one afternoon and one forenoon.

Roy B. Vannier.

Alamakee Co., Iowa, Feb. 27, 1900.

Dear Mr. Park:—Did you ever hear of a person being "flower-crazy"? Well, I am one. I read the catalogues, and almost, in fancy, inhale the blossom perfumes, and wish I were a florist. Your sweet Floral Magazine is the loveliest little "flower-bible" in the land. How wonderful that in such small compass you can have such perfect floral descriptions and pictures!

G. C. D.

Anderson Co., Texas, Mar. 6, 1900.

Mr. Park:—Your Magazine has been a visitor in my home for nine years, and I have gained more knowledge from it as to the culture and wants of my floral pets than from any other Magazine I ever read. I have an Amaryliss Johnsonii five years old that has just one bulb, and has blossomed three seasons. Twice it sent up two flower stalks at the same time, with three and four blossoms on each stalk. I remove the bulbets as soon as they are large enough to grow, and keep my plant growing during the summer. In November I let it dry off and rest until February or March, and then bring into the sitting room and water freely. I think it is a grand plant, and well repays all the care one can give it. We have many very beautiful wild flowers in northern Indiana, and just now the woods are bright with them, as well as fruit trees.

Miss Jennie Yockey.

Steuben Co., Ind., May 12, 1900.

Mr. Park:—I have been taking your Magazine for five years, and could not get on without it. It has helped me to make a lovely lawn out of a very ugly one that the pigs had turned upside down.

Mrs. D. A. A.

Ross Co., Ohio, April 17, 1900.



## WE SELL BUGGIES

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SEARS, ROEBUCK & CO., Chicago.

MENTION PARK'S FLORAL MAGAZINE

## Roemer's Giant Prize Pansies.

For many years Mr. Frederick Roemer, of Germany, has given the Pansy special attention, and has developed a race which, for size, variety and attractiveness cannot be surpassed. The plants are of thrifty, compact habit, and the flowers of enormous size, and exhibit wonderful colors and rich variegations. There are no finer Pansies in the world than Roemer's Giant Prize, and I offer a collection of 10 packets, embracing all shades and variegations, as a premium to anyone paying 25 cents for a year's subscription to the FLORAL MAGAZINE, as follows:

**White**, in variety, pure white, white with eye, white with spots, white shaded, etc.  
**Red** in variety, bright red, rosy red, rich scarlet, red with tints and shadings, etc.  
**Blue** in variety, dark blue, dark blue, rich purple, and blue margined, etc.  
**Black** in variety, coal black, black blue, jet black, dark violet, purplish black, etc.  
**Yellow** in variety, rich pure yellow, golden yellow, yellow with eye, shaded, etc.  
**Striped and Flaked**, all distinctly striped and flaked and splashed etc.  
**Blotched and Spotted**, pure ground colors with peculiar and odd markings.  
**Shaded and Margined**, margined and rayed in beautiful tints and shades.  
**Azure** in variety, light blue, ultramarine, azure, lavender blue, strikingly marked.  
**Mixed Colors** in variety, superb shades and markings, many rare varieties.

If you are already a subscriber you can have the MAGAZINE sent to any flower-loving friend. It will be appreciated. If you wish a grand bed of Pansies next spring—a bed rivaling the Tulips in show and beauty, sow the seeds during summer. Try it. You will be astonished and delighted with the result. Address

GEO. W. PARK Libonia, Franklin Co., Pa.





## CORRESPONDENCE.

Mr. Park:—I have read your excellent Magazine for several years with much profit. I am a lover of flowers, and always enjoy adding something new to my collection. This spring I have Smilax, Cyclamen giganteum and Abutilon, and should like to hear something about their culture. The woods are lovely now, filled with Arbutus, Trilliums and white and yellow Lilies. How one can enjoy a ramble when such beautiful blossoms meet the gaze on every side! Our northern summers are short, but very beautiful while they last.

On the northeast side of the house, in an angle, I have a bed of Pansies and Daisies. Here they receive the morning sun only, and plenty of water. I carefully keep all old flowers removed from them, as they soon cease to bloom if let go to seed. The more I pick them the faster the blossoms come, and the larger they appear to be. Dear, little, knowing Pansy faces! How they nod at me when I step out of the door! And the border of pink and white Daisies seem to thrive on the same treatment with the Pansies. By the northwest window I plant my Morning Glories and Nasturtiums. Here and there among them I place a Flowering Bean, which makes strong, rank growth of vine, forming a trellis for the more delicate Glories. The Nasturtiums keep the earth at the roots shaded and cool, and often climb in a surprising manner, and throw out their red and yellow trumpets in profusion.

I am an advocate of tin cans. I paint mine a dark reddish-brown, and they surely cut no bad figure.

Mrs. Leo Safford.

Charlevoix Co., Mich., Apr. 24, 1900.

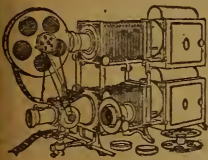
Mr. Park:—Last November I ordered from you a collection of Hyacinths. I received them promptly, and was well satisfied with them. They all blossomed about Christmas time, and a more beautiful sight cannot be imagined. Your Magazine affords me much enjoyment and instruction, the information about flowers and their culture being interesting and valuable.

Mrs. J. A. H.

Kendall Co., Ill., Feb. 19, 1900.

## WHO IS TO BLAME.

Women as well as men are made miserable by kidney and bladder troubles. Dr. Kilmer's Swamp-Root the great kidney remedy promptly cures. At druggists in fifty cent and dollar sizes. You may have a sample bottle by mail free, also pamphlet telling all about it. Address, Dr. Kilmer & Co., Binghamton, N. Y.



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Cut this ad. out and mail to us. Send a small sample of your hair, cut close to the roots. **SEND NO MONEY!** we will make and send you by mail, postpaid, a **FINE HUMAN HAIR SWITCH**, an exact match, made 22 inches long from selected human hair, 2½ ounces, short stem. We will inclose in package with switch sufficient postage to return it to us if not perfectly satisfactory, but if found exactly as represented and most extraordinary value and you wish to keep it, either send us \$1.50 by mail within 10 days or **TAKE ORDERS FOR 8 SWITCHES AT \$1.50 EACH** among your friends and send to us without any money, we to send the 8 switches to them direct by mail, to be paid for 10 days after received if perfectly satisfactory, and you can then have the switch we send you free for your trouble.

We give Pianos, Organs, Sewing Machines, Dishes, Furniture, Watches, Bicycles, Cameras and other premiums for taking orders for Our Switches. One lady earned a Piano in fifteen days, one a Sewing Machine in 2 days. Order a Switch at once or

write to-day for **FREE PREMIUM OFFER**. Address, **Ladies' Hair Emporium, Chicago.**

MENTION PARK'S FLORAL MAGAZINE



## MAY DAY WITH TEACHER.

Ho! to the woods! close up the school!  
Who studies to-day will be our fool,  
To-day we learn of birds and bees,  
Of singing brooks and flowers and trees.

Come where the sweet Arbutus blows,  
Here in the moss and damp it grows,  
Most loved of all the flowers of spring,  
For thoughts of Mayflower it doth bring.

What's that on the knoll with the liver-shaped leaf  
Hepaticas now, but an old belief  
In its virtue as medicine gave the name  
To red white and blue Liverwort the same.

The Trillium bud is still in its sheath,  
Parting three sepals you find beneath  
Three petals, three leaves on the stem below,  
'Tis named for the mystic three you know.

Erythronium and Adder Tongue.  
And Dog-tooth-Violet all are one.  
Here the Claytonias grow in a bed,  
Spring beauties you call them I think you said.

Your heads are full and so are your hands,  
So we'll hie back o'er the brook's bright sands  
The day is well spent in learning to know  
The plants by name in our woods that grow.

Medina Co., O., Apr. 2, 1900.

Dame Durden.

## THERE'S A TIME.

There's a time to work,  
And a time to play,  
And a time to "pass the news";  
But never, oh, never  
Let me say,  
A time to "have the blues."

A time to sow,  
And a time to reap,  
And a time to tighten the screws;  
But while rain falls,  
Or the sunshine calls,  
There's never a "time for blues."

A man may strive,  
And a man may win,  
For the good of his work accrues;  
If his heart is light,  
And his eyes are bright,  
But not if he "have the blues."

Dubuque Co., Iowa,


Maude Meredith.

[NOTE.—Just so.—ED.]

## DISCOVERED BY A WOMAN.

I have discovered a positive cure for all female diseases at the piles. It never fails to cure the piles from any cause or either sex, or any of the diseases peculiar to women. I will gladly mail a free box of the remedy to every sufferer. Address **MRS. C. B. MILLER, Box 151, Kokomo, Ind.**

**LADIES:** All Female Complaints positively and permanently cured by Dr. Coonley's *Orange Lilt*. Trial box **Free**. Mrs. H. P. Fretter, Detroit, Mich.



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and will gladly tell you all about my work. It's very pleasant and will easily pay \$18 weekly. This is no deception. I want no money and will gladly send full particulars to all sending 2c. stamp. **MRS. A. H. WIGGINS, Box 23 Benton Harbor, Mich.**

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## EXCHANGES.

**NOTICE.**—Each subscriber is allowed three lines of notice in twelve months. Every exchange must be fully floral. Insertion not guaranteed in any certain month. Right reserved to exclude any exchange, or to cut it down as the exigencies of space demand. All notices over three must be paid for at advertising rates. Letters received should be answered in order to avoid misunderstanding and dissatisfaction.

Miss May A. Crewe, Mallory, W. Va., will ex. hardy & native plants for other hardy and house plants. Mrs. B. H. Wade, Tillman, Miss., will ex. pink Day Lily and Striped Lily for quilled Dahlias; four assorted Chrysanthemums for Oleanders; send.

Mrs. R. Aldrich, Mitchell, Iowa, has Mrs. E. G. Hill & Souv. de Miranda Geraniums, white Vinca and Begonia rubra to ex. for pink and white Lady Slippers. Mrs. C. C. Avery, Ridgway, Pa., will ex. Aspidistra filigata, 10 var. Begonias, N. B. Cereus for Pandanus itchii, Dracaena, Pelargoniums, Ferns; etc.; write. Miss Sallie F. Orsburn, Box 124, Seebree, Ky., will ex. double Sweet Violets, Swanley White, for nice tender hardy plants or bulbs; write.

Mrs. H. F. Howard, West Townsend, Vt., will ex. odd clumps of Maidenhair Ferns for almost any use plants, bulbs or perennials; write.

Jamie Bodge, Deering, Me., will ex. A. triphyllum lbs for any bulbs not in his collection. Thas. D. H. Hoard, Ashland, N. J., will ex. Lilacs or purple or yellow Chrysanthemums for Dahlias, Gladioli or plants not in his collection.

Mrs. C. Allard, Ft. Lee, Va., will ex. Chrysanthemums, Narcissus, Rudbeckia, for Swanley White or Hume Campbell Violets or Hyacinths. Mrs. C. Simpson, Shamrock, Mo., has Tuberoses, Rudbeckia and house plants to ex. for Gladioli, Lilies & house plants; write.

Mrs. Chas. P. Yoe, 505 William St., Knoxville, Tenn., has plants to ex. for those not in her collection; send.

Mrs. W. S. Wells, 58 Park Ave., Ft. Wayne, Ind., has Lilies and Gladioli to ex. for Tulips and Hyacinths. Mrs. McMahon, Bundsburg, Ohio, will ex. 12 Linc. Gladioli or 12 Trillium grandiflora for 12 Tulips coming size or 24 Crocuses; don't write.

Mrs. Hiram Davidson, Bedford, Iowa, Datura plants & seeds of Wisteria and fringed double Poppy to ex. for Gloxinias, Tuberoses Begonias and Hyacinths.

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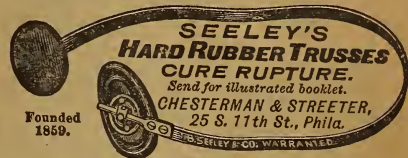
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